

# AAG 2024 PROGRAM

Honolulu | April 16-20





# AAG

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## Welcome to the AAG

**Type:** Virtual Panel

**Sponsor Group(s):** Graduate Student Affinity Group

**Primary Organizer:** Emily Frisan,

**Primary Session Chair(s):** Emily Frisan

**Date:** 4/11/2024 **Time:** 10:00 AM - 11:30 AM **Room:** Virtual 1

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Noel Vineyard
Panelist	Amariah Fischer
Panelist	Daniel Kissi-Somuah
Panelist	Chinedu Nsude
Panelist	Emily Frisan
Panelist	Elin Thorlund

## F0\_1: I Kai Uli o Kanaloa a hiki i ke Ahi Loa a Pele ~ From the Sea to the Volcano

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Drew Kapp,

**Primary Session Chair(s):**

**Date:** 4/14/2024 **Time:** 9:00 AM - 6:00 PM **Room:** Field Trip Occurs on Hawai'i Island

### **Presentations (if applicable) and Session Agenda:**

## F0\_2: Biogeography and history, Mount Kaala, Oahu

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** David Beilman,

**Primary Session Chair(s):**

**Date:** 4/15/2024 **Time:** 8:00 AM - 5:30 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

### Presentations (if applicable) and Session Agenda:

## Rethinking China's urban governance I - The state

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Fangzhu Zhang, University College London

**Primary Session Chair(s):** Fangzhu Zhang *University College London*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Fangzhu Zhang, <i>UCL</i>	Rethinking China's urban governance: The role of the state in neighbourhoods, cities and regions
Xuanyi Nie, <i>No Affiliation</i>	Shifting Roles of the State in China's Innovation-Driven Urban Renewal: A Case Study of Nanjing Silicon Alley Projects
Jiang Xu	When Officials Meet Technologies: How Does China's New Spatial Planning System Shape Planning Practice?
Nicholas Phelps	Governing the archipelago economy of special economic zones: relational state intrapreneurialism in China's Special Economic Zone economy
Yushu Zhu, <i>Simon Fraser University</i>	State-Embedded Gentrification

## GeoAI and Deep Learning Symposium: Spatially Explicit Machine Learning and Artificial Intelligence I

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Gengchen Mai, University of Georgia

**Primary Session Chair(s):** Gengchen Mai *University of Georgia*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yuhan Ji	Integrating Spatial Relations and Semantics for Geospatial Context Representation Learning
Xiao Huang, <i>University of Arkansas</i>	Understanding remote sensing imagery like reading a text document: What can remote sensing image captioning offer?
Di Zhu	Disentangling Geographic Relationships in Human Activity Intensity Prediction via Hypergraph-based Hybrid Graph Convolutional Networks
Gengchen Mai, <i>University of California, Santa Barbara, CA</i>	SSIF: Learning Continuous Image Representation for Spatial-Spectral Super-Resolution
Qian Cao	Advancing Image Geo-localization: A Comparative Analysis of Image Retrieval and Surface Partitioning-based Image Classification Models

## Lifecourse and Exposome-Based Research in Geospatial Health Applications I

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Matthew Hobbs, University of Canterbury

**Primary Session Chair(s):** Michael Desjardins *Johns Hopkins Bloomberg School of Public Health*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Clive Sabel	Moving matters: The impact of changing social economic status in childhood on subsequent adulthood depression
Tomoki Nakaya	Socio-spatial inequalities in health-related trajectories: A sequence analysis of lifecourse retrospective survey data in Tokyo
Sarah Mah	Capturing longitudinal residential mobility patterns across Canada
Daniel Wiese	Associations between life expectancy at birth and historical redlining, gentrification, and household-level residential mobility in Philadelphia Metropolitan Area.
Trang VoPham, <i>Fred Hutchinson Cancer Research Center</i>	The Sociodemographic Landscape of Environmental Circadian Misalignment and Solar Jetlag

## UAS or Drones for Environmental, Agricultural, and Urban mapping applications

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Grayson Morgan, Brigham Young University

**Primary Session Chair(s):** Grayson Morgan *Brigham Young University*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Tony Grubestic	Unmasking Invisible Infrastructure Networks with UAVs
Douglas Stow	Integrating uncrewed aerial systems and repeat station imaging for inspection and monitoring of electric utility infrastructure
John Gross	Using Ultra-high Spatial Resolution Drone Remote Sensing and Machine Learning To Map Southern Pine Beetle Damage On Eastern Long Island
Grayson Morgan, <i>No Affiliation</i>	Measuring Cherry Orchard Biophysical Characteristics with UAS

Xiangyu Ren	Wildfire Burn Volume and Severity Estimation Using Drone Remote Sensing
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## At-Risk Populations and Infectious Disease: Geography of Health Inequities

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amanda Norton, Doctoral Candidate, University of Toronto

**Primary Session Chair(s):** Amanda Norton *Doctoral Candidate, University of Toronto*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Leith Deacon	Ontario Rural Populations: A Survey Analysis of Women's Experiences During the COVID-19 Pandemic
György Csomós	Mapping changing park visitation trends during the Covid-19 pandemic in Hungary based on mobile device location data
Andreas Kuebart, <i>Leibniz Institute for Research on Society and Space</i>	Waves in time, but not in space – an analysis of pandemic severity of COVID-19 in Germany
Hyowon Ban, <i>California State University, Long Beach</i>	COVID-19 and anti-Asian and Asian American incidents: literature study and sample in-depth interviews

## Contemporary Chinese Tourism: Critical theories from the East 1

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Harng Luh Sin, Singapore University of Social Sciences

**Primary Session Chair(s):** Harng Luh Sin *Singapore University of Social Sciences*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Harnng Luh Sin	Theorising from the East by Journeying to the West: Travel and Tourism Theories from a Chinese Literary Classic
xiaoxi ju	Lifestyle Migrant Tourism Entrepreneurship on Hainan Island: Chinese Family Perspectives
Ben Gerlofs	Selfie-Service: Tourism, Gentrification, and the “Little Red Book” (Xiaohongshu) in Hong Kong’s Kennedy Town
Benjamin Iaquinto	The biopolitics of Chinese tourism governance in the Arctic
Jie Li	Crafting Autonomy: The Embodiment of 'I'm Living the Life I Want' in Chinese Digital Nomadism

**Spatial Approaches to Applied Memory and Heritage I**

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Historical Geography Specialty Group

**Primary Organizer:** Mark Rhodes, Michigan Technological University

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Alyson Greiner, <i>Oklahoma State University</i>	Oklahoma Pioneer Women Revisited
Sam Smith, <i>University of Colorado, Boulder</i>	Narrating Memory across Sites and Scales: Tourist Guidebooks of the U.S. Civil Rights Movement
Rowena Butland	‘Climate Change is not my problem’: Curating the Museum of the Changing Climate as a means to reconciling responsibility
Rishika Mukhopadhyay	Narrative and Sensory Politics of (Un)belonging: Spatial Memory in Heritage Walks and Public Art Exhibitions

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Harnessing Mobility Data for Spatial Knowledge Discovery

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jinwoo Park, University of North Dakota

**Primary Session Chair(s):** Jinwoo Park *University of North Dakota*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kenan Li	Assessing Socio-Economic Impacts on Evacuation Compliance During Hurricane Ian Through Mobility Data Analysis
ChengHe Guan	Exploring environmental and social equity in peri-urban parks: A mobile phone data-driven analysis in Tokyo
Chieh Hsueh	Understanding Route Choice Preferences of Young Scooter Riders in Taipei through A Comparison of Multiple Discrete Choice Models
Harvey Miller, <i>The Ohio State University</i>	Inclusive sidewalk planning with perceived constraints: A multi-objective optimization approach
Yuqin Jiang	An entropy-based measurement for understanding origin-destination trip distributions: a case study of New York City taxis

## River Dynamics: Forms, Processes, and Observations I

**Type:** Virtual Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Chelsy Salas, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Chelsy Salas *University of Illinois at Urbana-Champaign*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 5

**Presentations (if applicable) and Session Agenda:**

M.A. Lisa Davis, <i>University of Alabama</i>	Cave slackwater deposits reveal a mid to late Holocene record of floods on the Ocoee River, Tennessee
Adam Scardino	A Spatial Socioeconomic Assessment for Evaluating the Impact of Floods in Nigeria Based on Three Global Flood Models
Afrida Aranya	Hydrogeomorphic Response of Fluvial Systems to Climate Change in the Ozark Highlands – An Example from James River, Missouri
Chelsy Salas	Suspended Sediment Dynamics of an Intensively Managed Midwestern Agricultural Landscape

**Mainstreaming resilience for responses to climate change 1 - Resilience cases**

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Development Geographies Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Liang Emlyn Yang, Harvard University, USA; and LMU Munich, Germany

**Primary Session Chair(s):** Liang Emlyn Yang *Harvard University, USA; and LMU Munich, Germany*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317Bhs (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Liang Emlyn Yang	Understanding the long-term social resilience to climate change impacts with case studies in the Mekong basin
Carter Beale	Place-based strategies for flood management in Hawai'i
Supriya Krishnan	RISE-UP: Urban Planning for Climate Resilience - Empirical insights and theoretical reflections from case studies in the Global North and Global South
Anqi Zhu	Community Resilience to Climate impacts: A Mixed Methods Research in Guangzhou City

Orhun Aydin	Designing Resilient Cities Under Climate and Social Uncertainty with Partially Observable Reinforcement Learning
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## Animal-State Relations I: A Political Geography of Multispecies Nation-Making

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Yamini Narayanan, Deakin University

**Primary Session Chair(s):** Yamini Narayanan *Deakin University*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jeffrey Martin, <i>University of California, Berkeley</i>	Contested non/belonging in the American West: wolves, elk, ranchers, and the state
João Vicente Fernandez Pereira	Animal becomings in the far right: making the human-animal divide permeable for multispecies critiques of colonial nation-states
Ricardo Diaz Garcia Frade	Weaponizing Cuteness: Animal representation, digital police practices, and the affective production of the state
Pallavi Raonka	Adivasi, Elephants, and the Neoliberal State

## Household Water Insecurity Experiences Research Intersections 1: Sub-Saharan Africa

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Justin Stoler, University of Miami

**Primary Session Chair(s):** Nupur Joshi *Kalamazoo College*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Matt Stellbauer	What are the drivers of Household Water Insecurity among multiple-use water households in Rural Mali?
Sara Keough	Exploring Water Packaging and Advertising in Dakar, Senegal
Lotte de Jong	We women are suffering”: Gendered Emotional and Embodied Labors of Fragile Water Infrastructure in Kilifi North sub-county, Kenya
Nupur Joshi	What impacts do slum evictions have on household water insecurity? A study of evicted households in Mukuru informal settlements in Nairobi city.
Vandy Y Swara	Contested River: Exploring the Impact of Infrastructure on Indigenous Water (In)Security

**Emerging Vehicle Technologies and Services: Geographies of Diffusion****Type:** Paper**Sponsor Group(s):** Transportation Geography Specialty Group**Primary Organizer:** Scott Kelley, University of Nevada, Reno**Primary Session Chair(s):** Scott Kelley *University of Nevada, Reno***Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Michael Kuby	Extreme Heat Effects on Electric Vehicle Energy Utilization and Driving Range
Yudai Honma	Optimizing In-Motion Wireless Power Transfer Locations for Electric Vehicle Mobility in Downtown Areas
Darren Scott	Emerging Micromobility Tools in Canada: Electric Scooter Adoption and Usage

Yi Fan Liu	What drives electric car-sharing assemblages? Automation, digitalisation and infrastructure
Scott Kelley, <i>University of Nevada-Reno</i>	A Multi-scale Assessment of Near-Miss Events between Vehicles and Vulnerable Road Users in Reno-Sparks, Nevada, USA

## Infrastructures of Regional Connectivity

**Type:** Paper

**Sponsor Group(s):** Asian Geography Specialty Group

**Primary Organizer:** Michael Glass, University of Pittsburgh

**Primary Session Chair(s):** Program Committee

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Tyler Harlan, <i>Loyola Marymount University</i>	Importing the energy transition: Emerging powersheds in the Asia Pacific
Joe Harrington	Cross-Boundary and Regional Governance in Asia: A Case Study of Taipei's Rapid Transit System

## Author Meets Critics: Pandemic Urbanism: Infectious Diseases on a Planet of Cities

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Creighton Connolly, The University of Hong Kong

**Primary Session Chair(s):** Harris Ali *York University*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion
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### Non-Presenting Participants

Role	Participant
Panelist	David Wilson <i>University of Illinois Urbana-Champaign</i>
Panelist	David Wachsmuth <i>McGill University</i>
Panelist	Chiara Camponeschi <i>York University</i>
Panelist	Susannah Bunce <i>University of Toronto</i>
Discussant	Michele Acuto <i>The University of Melbourne</i>

## Geographies of Climate Litigation, Attribution, and Data 1

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Legal Geography Specialty Group

**Primary Organizer:** Shaina Sadai, Union of Concerned Scientists

**Primary Session Chair(s):** Shaina Sadai *Union of Concerned Scientists*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Marie Widengård, <i>Gothenburg University</i>	Climate litigation for young people and old trees: intersectional alliances for climate justice in Sweden
Ingrid Behrsin	Global Energy Monitor: Opening access to the world's energy systems
Sonya Ahamed	Carbon Collusion: Mapping Joint Ventures in the Global Oil and Gas Extraction Network
Benjamin Leffel	Can Transnational Municipal Networks Mitigate the Carbon Pollution of the World's Power Plants? An Empirical Analysis

## Actionable Ethics in Cartography

**Type:** Panel

**Sponsor Group(s):** Cartography Specialty Group, Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Aileen Buckley, Esri, Inc.

**Primary Session Chair(s):** Aileen Buckley *Esri, Inc.*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Michael Goodchild <i>UCSB, retired</i>
Panelist	Amber Bosse <i>Mapbosse Co.</i>
Panelist	Yuhao Kang <i>University of South Carolina</i>
Panelist	Samantha Arundel <i>U.S. Geological Survey</i>

## Environment and Security

**Type:** Paper

**Sponsor Group(s):** Military Geography Specialty Group

**Primary Organizer:** Mark Read, U.S. Military Academy

**Primary Session Chair(s):** Mark Read *U.S. Military Academy*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Mark Read	Environmental Security Revisited
Raymond Lee	The Critical Zone and Global Commons: Unearthing the Motivated Conceptualization of Supranational Space in the Earth System
Sarah Posner	Disentangling the role of local institutions in the climate-conflict nexus
Richard Mbih, <i>Pennsylvania State University</i>	Living at the Edge: Agro-pastoral Livelihood Uncertainty in Southern Cameroons
Ferdous Sultana	How does climate change impact human security and conflict dynamics in Bangladesh? A Synthesis of Expert Perspectives

**Teaching Ethics in GIS and Geography Courses****Type:** Panel**Theme:** Reciprocal Scholarship**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Amy Rock, UCGIS**Primary Session Chair(s):** Joseph Kerski *Esri***Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:****Making Energy Public(s) 1: Energy Citizens, Energy States [Virtual]****Type:** Virtual Paper**Sponsor Group(s):** Cultural and Political Ecology Specialty Group**Primary Organizer:** Madeline Kroot, PhD Candidate, Clark University**Primary Session Chair(s):** Madeline Kroot *PhD Candidate, Clark University***Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

Benjamin Schmid	Constellations of energy citizenship in Ireland
Christina Hoicka	Institutional Advocacy for Indigenous renewable energy: just transition lessons from a First Nations Power Authority proposal in British Columbia, Canada
Sebastian Solarte-Caicedo	Community energy for whom? Analyzing discourses and power dynamics around Colombia's energy poverty agenda
Hayato Koga	Multifaceted energy decentralisation: unpacking the interplay between policy landscapes and community-based energy governance in Japan

**SpaceTimeAI for Multi-Model Data Fusion**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tao Cheng, University College London

**Primary Session Chair(s):** Tao Cheng *University College London*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Hao Chen	Calibrating Driving Flow Data through the Integration of Big and Small Data: The Graph Transformer Network Approach
Lulu Liu	Microclimatic Insights: Spatial Interpolation Fusion with Multiple Data Source
Dan Tian	Enhancing flood monitoring with ConvLSTM-SRCNN based satellite image fusion
Lubin Bai	MMGR: A Multi-modal Contrastive Learning method for Multiple Geographic Mapping Tasks with VHR Images and POIs

## How we write: processes for careful ways of being in academic work

**Type:** Virtual Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Feminist Geographies Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Kelsey Hanrahan, Towson University

**Primary Session Chair(s):** Emily Billo *Florida State University*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	E.C. Kaufman <i>Towson University</i>
Panelist	Hanieh Molana <i>Sacramento State</i>
Panelist	Timur Hammond <i>Syracuse University</i>
Panelist	Sarah Elwood-Faustino <i>University of Washington</i>
Panelist	Emily Billo <i>Florida State University</i>
Panelist	Carrie Chennault <i>Colorado State</i>
Panelist	Kelsey Hanrahan <i>Towson University</i>

## HRDSG Heat Risks

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Xinlin Ma	Examine the environmental inequity impact of urban heat mitigation on redlining legacy: case study of Charlotte's retrofitting, 2001–2020
Leiqiu Hu	Ground-level surface heat island: linking spaceborne thermal observations with local heat exposure across the city
Yun Fat LAM	Compound TC-Heat hazards with prolonged extreme hot days

**Leveraging urban green space to address compound crises 1**

**Type:** Paper

**Sponsor Group(s):** Landscape Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Michelle Stuhlmacher,

**Primary Session Chair(s):** Michelle Stuhlmacher

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Spandan Pandey	Urban greenspace and climate-resilient infrastructure: Municipal climate action planning in Massachusetts
Meredith Whitten	Seeing the forest and the trees: Can strategic green space be delivered locally?
Asim Khanal	Park vitality as a framework for vibrant urban parks: a scoping review
Jason Hawes, <i>University of Michigan</i>	Understanding sustainability, resilience, and justice synergies and tradeoffs across urban agriculture futures
Sofia Shwayri	Revitalized Green Lungs: The Streets of Berkeley during the Covid-19 Pandemic

## Gender in Food and Agriculture Systems

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Kate Nelson,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Brenda Boonabaana	Social-cultural drivers that shape women small holder farmers' (dis) empowerment in Uganda's agri-food system
Clara Lewis	Supporting Practices of Environmental Repossession through a Traditional Foods Basket Program in London, Ontario
T. Oluwaseyi Ishola	The complex gendering of small holder farming and household food responsibilities in Northern Nigeria
Herwin Yengnone	The Impact of Food Loss on Women's Livelihoods: A Study of Petty Traders in Techiman Market, Ghana's Breadbasket.

## Environmental Geographies

**Type:** Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Molly McGraw

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kefa Otiso, <i>Bowling Green State University</i>	What are the Socioeconomic Impacts of Lake Victoria's Harmful Algal Blooms (HABS)?
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Emma Sharp	Examining (ontological) politics of soil management from the ground up
Nancy Weinheimer	Identifying historic land use impacts on soil-mantled landscapes with cosmogenic nuclides: A case study in northwestern South Carolina
Molly McGraw	Seventy years of change in the Colville River Delta, Alaska

## Estimating and Modeling Spatial Variation

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Ahmad Massasati

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Bergit Uhran, <i>University of Tennessee Knoxville</i>	The "Heisenberg uncertainty" of spatial analysis: tradeoffs between spatial and estimator precision in small area estimation
YIMING ZHANG	Human Activity Index Estimation Utilizing Point of Interest Data
Sin-Yi Ho	Design of the Intelligent Time-Aware User Interface
Ahmad Massasati	Introducing Random Targets for Advancing Automated Aerial Mosaicking

## Human & Environment Geographies

**Type:** Virtual Lightning Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Hantao Sun

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 9

**Presentations (if applicable) and Session Agenda:**

Angela Johnson-Rodriguez	How does it feel to be at the table and on the menu? A look into transportation justice through the eyes of Black transportation professionals
Mysha Clarke	"Community resilience": Great in theory but difficult to implement among forest landowners
Lucy McAllister, <i>Denison University</i>	How do framings of climate change vary on TikTok? Comparing digital media organizations to content users.
Farrah Hasan	"Adapting Destination Cities: Climate Migrant Resettlement in Mongla, BD
fengting shi	Enhanced Methods for Broad-Scale Building Vulnerability Assessments amidst Geological Hazards: A Case Study in Xinxing County
mia nigro	Taking Financial Control: The Independence of Unmarried Black Women Homeowners in 1920
Hantao Sun	From production of space to production of spatial-moments: Chinese urbanism in the Internet Celebrity Economy Era

## Geographies of Health, Food, City Design

**Type:** Lightning Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Ailing Jin

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Sam Hanan	A Review of Current GIS and Similar Software for City Design
Alyson Mabie	A “Vibrant” Eulogy for Seattle’s Central District: Elite Capture, Public Art, and the Visual Rhetoric of Place
Lisa Chaudhari	Gardens as Sites of Engagement and Change
Rebecca Chausse	Visualizing Patterns of Hunger in Afghanistan: A Geospatial Analysis
Timothy Shields	Exploring a Walkability Index For An Aging Population
Jiahua Chen	Bike Network Connectivity and Safety in Two Midsize California Cities
Yi Lu	Dose-response effect of a large-scale greenway intervention on physical activities
ailing jin	Socioeconomic inequality in inhaled dose
Bo Li	Spatial Distribution Affects the Integration of Medical and Elderly Care: A Survey Based on the Spatial Distribution of Medical Institutions and Elderly Care Institutions in Wuhan, China

## Mapping and Measuring Environmental Systems

**Type:** Lightning Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Connor Phillips

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Delaney Cabral	Measuring Tree Canopy Coverage: Fullerton Arboretum, Orange County, California
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wenshu liu	Application of Deep Learning in Land Cover Temporal Prediction Using a Transformer-based Linear Fusion Model with Self-Attention Mechanism
Jessica Reimann	Utilizing Unmanned Aerial Vehicle imaging in tracking and predicting spread of seagrass wasting disease along the West Coast
Ava Benstine	The Gripe with Gullies: An assessment of Lidar Data for Remotely Mapping Ephemeral Streams and the Impact of Historical Landuse on Landscape Development
Trinity Gallegos	Headwater Stream Mapping Detecting based on Lidar for Remotely Development of Ephemeral Streams and Historical Gullies Observation
Reuben Heine	Sediment Aggradation in the Lower Mississippi River between Vicksburg, MS and Baton Rouge, LA
Connor Phillips	Detection and Mapping of Drought-Induced Tree Mortality Across Sky Islands Using High- And Medium- Resolution Remote Sensing Imagery

## Nones in Space - (Ir)Religious Identities on University Campuses

**Type:** Virtual Panel

**Sponsor Group(s):** Geography of Religions and Belief Systems Specialty Group

**Primary Organizer:** Sandy Marshall, Elon University

**Primary Session Chair(s):** Sandy Marshall *Elon University*

**Date:** 4/16/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 1

### Presentations (if applicable) and Session Agenda:


### Non-Presenting Participants

Role	Participant
Introduction	Sandy Marshall <i>Elon University</i>
Panelist	Ed Davis <i>Emory &amp; Henry College</i>
Panelist	Sandy Marshall <i>Elon University</i>
Panelist	Max Samson <i>DePaul University</i>
Panelist	Briana Meier <i>MIT</i>
Discussant	Dominic Wilkins <i>Syracuse University</i>

## Best Practices 1: Teaching Introductory Level Human/World Geography Courses

**Type:** Panel

**Sponsor Group(s):** Community College Affinity Group, Geography Education Specialty Group

**Primary Organizer:** Caroline McClure, Georgia State University

**Primary Session Chair(s):** Caroline McClure *Georgia State University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Caroline McClure <i>Georgia State University</i>
Panelist	Ashley Allen <i>SUNY Oneonta</i>
Panelist	Andy Milson <i>University of Texas - Arlington</i>

Panelist	Zebulon Wallace <i>Minot State University</i>
Panelist	Ismaila Odogba <i>University of Wisconsin-Stevens Point</i>

## Permafrost and Infrastructure Changes in Alaska

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session, Military Geography Specialty Group, Polar Geography Specialty Group

**Primary Organizer:** Olaf Kuhlke, Minneapolis College of Art and Design

**Primary Session Chair(s):** Olaf Kuhlke *Minneapolis College of Art and Design*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Introduction to the Defense Resiliency Project	
Alexandra Zachwieja	A biosecurity perspective on permafrost thaw-induced cemetery subsidence in the Seward Peninsula and Norton Sound region, Alaska
Timothy Pasch	Predictive Visual Analytics of Alaskan Permafrost Change in Cesium: Leveraging Remote Sensing for Georeferenced LiDAR, EO/IR, and GPR Data Layers
Olaf Kuhlke	Visualizing the Impact of Infrastructure Changes in Permafrost Environments Using Ground-Based LiDAR/3-D Cameras: A Case Study from Nome, Alaska
Steven Rowell	Virtual Tundra: Towards a Transmedia Interpretation of the North Slope During the Great Thaw.

## Intersectional perspectives on recruiting, retaining, and skills supply in times and places of transition

**Type:** Paper

**Sponsor Group(s):** Feminist Geographies Specialty Group

**Primary Organizer:** Lena Grip, Karlstad University, Sweden

**Primary Session Chair(s):** Lena Grip *Karlstad University, Sweden*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Introduction	
Dominique Kauer	Geographies of Violence in Elderly Home Care: Gendered Perspectives on Nursing Skills Shortage in Germany
Simen Hennum	(Re)constructing the market for temporary work: Regulating triangular employment relationships in Norway
Elyse Stanes	Filling the skills gaps in energy transitions: missing links in HVAC&R skills and training
Abigail Hawkins	Mobilised abhorrence: A necropolitical meditation on Filipina migrant labour in Japan
Lena Grip, <i>Karlstad University</i>	The interplay between proximity, networks and gut feeling: a gender analysis of recruitment processes

**AAG 2024 Symposium on Geospatial Data Science for Sustainability: Challenges and Opportunities of Spatial Accessibility 1**

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jinwoo Park, University of North Dakota

**Primary Session Chair(s):** Jeon-Young Kang *Kyung Hee University, South Korea*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Reyhane Javanmard	Evaluating the impacts of supply-demand dynamics and distance decay effects on public transit project assessment: A study of healthcare accessibility and inequalities
Kyusang Kwon	Spatiotemporal access to emergency medical services: Improved accessibility measure based on the 2SFCA method
TZUYUN LIN, <i>National Taiwan University</i>	Transit accessibility assessment and validation: Considering interdependences among criteria and zones
Behnam Tahmasbi	The Autonomous Vehicles Impact on Accessibility
Jeon-Young Kang, <i>Kongju National University, South Korea</i>	Geographically Weighted Two-Step Floating Catchment Area (GW2SFCA) method: Spatial Accessibility to Preventive Cares in Florida, USA.

## Rethinking China's urban governance II - City-Region Dynamics

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Fangzhu Zhang, University College London

**Primary Session Chair(s):** Jiang XU *The Chinese University of Hong Kong*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Wen Chen	Governing cities through regions: Evolution of regional plans for the Yangtze River Delta mega city-region
Jun Zhang	Authoritarian Regionalism Reversed: Remaking China's Party-State Capitalism in The Pearl River Delta, 1978-2023
Siyi Cecilia Liu, <i>University College London</i>	Smart City-Regionalism in Greater Bay Area: Analyses on Policies

## Geographies of Climate Litigation, Attribution, and Data 2

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Legal Geography Specialty Group

**Primary Organizer:** Shaina Sadai, Union of Concerned Scientists

**Primary Session Chair(s):** Shaina Sadai *Union of Concerned Scientists*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Md. Idris Ali	Disaggregated energy consumption and environmental quality nexus in Canada: Cointegration and counterfactual analysis
Meagan Weisner	Oil and Gas Cumulative Impacts Policy in Colorado: Evaluation of Volatile Organic Compounds and Health Impacts
Shaina Sadai, <i>Union of Concerned Scientists</i>	How the past haunts the future: Locked-in sea level rise resulting from prior corporate fossil fuel production
Nicholas Parlato	The Law of Thaw: Understanding Subnational Land Use Policies for Permafrost-Agroecosystems

## Lifecourse and Exposome-Based Research in Geospatial Health Applications II

**Type:** Virtual Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Michael Desjardins, Johns Hopkins Bloomberg School of Public Health

**Primary Session Chair(s):** Michael Desjardins *Johns Hopkins Bloomberg School of Public Health*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Jessica Finlay, <i>University of Michigan</i>	Life Course 'Cognability': Investigating where matters when for cognitively healthy lifestyle behaviors
Susie Deng	Examining the long-term impact of childhood area-level socioeconomic status on adolescent and adult mental health: a birth cohort study in Aotearoa New Zealand.

Ke Peng	Distance to workplace mediates associations of BMI and metabolic indicators with neighborhood food availability among a longitudinal cohort of medical staff
Pegah Salsabilian	Exploring the Geography of Food Choices: Unraveling the Impact of Uncertain Geographic Context on Understanding Dietary Preferences
Meghan Albritton	Participatory Health Mapping and Extractivism in Appalachia and Guatemala

## Symposium on Community Resilience Research: Geospatial Data Science to Enhance Community Resilience to Urban Environmental Hazards

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Hazards - Risks - and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Hao Tian, Texas A&M University

**Primary Session Chair(s):** Hao Tian *Texas A&M University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

ningyezi peng	Modeling dynamic resilience of urban complex systems in response to Omicron waves: a case study of Hong Kong
Wenlan Zhang	A Data-Driven Approach for Identifying Open Dumping Sites in the Global South
Miaojing Wei	An Analysis of Community Resilience and Response Capacity to Systemic Air Quality Threats in the South Bronx
Amanda Norton	Mobility, Housing, and Air Pollution: Using Spatiotemporal Analysis to Identify Populations at Disproportionate Risk of Air Pollution Exposure

Ahmad Mojtoba Riyadh, <i>University of Utah</i>	A Geo-spatial Analysis of Global Disaster Resilience Research Bibliometric Data
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## Leveraging urban green space to address compound crises 2

**Type:** Paper

**Sponsor Group(s):** Landscape Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Michelle Stuhlmacher, DePaul University

**Primary Session Chair(s):** Michelle Stuhlmacher *DePaul University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Dawn Parker	First estimates from the RISE-Beta prototype—Projecting carbon sequestration and stormwater diversion in new residential developments
Michelle Stuhlmacher, <i>DePaul University</i>	Designing for Just Green Enough: A Data Dashboard for Community Green Space Planning
Emmi Berski	Motivations and Perceptions of Green Infrastructure Implementation for Local Climate Change Adaptation
Catherine Brown	Green gentrification and mental health: A synthesis of current evidence

## Ideational economic geographies I

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Jamie Peck, University of British Columbia

**Primary Session Chair(s):** Jamie Peck *University of British Columbia*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Trevor Barnes	The history of economic geography as intonations of different metaphors
Heather Whiteside, <i>University of Waterloo</i>	From Letters to Ledgers, Pamphlets to Profits: Tracing Ideas of Colonial-Capitalist Transformation through the Archives
Christian Berndt, <i>University of Zurich</i>	The global economy in chains: Mapping uneven geographies of production
Dimitar Anguelov, <i>University of British Columbia</i>	Protecting the algorithm: (neo)mercantilism, intellectual property, and fictitious commodification in the digital age

**Contemporary Chinese Tourism: Critical theories from the East 3**

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Harng Luh Sin, Singapore University of Social Sciences

**Primary Session Chair(s):** Chin Ee Ong *Macao Institute for Tourism Studies*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Honggang Xu	The landscape of tourism geography research in China
Feng Huang	A geographical approach to young hosts' place attachment in traditional touristic villages
Yiran Meng	On and off the trails: Lifestyle mobilities of Chinese hiking tourists
Qingming Cui	Rethinking human-macaque conflict in tourism with posthumanism

## GeoAI and Deep Learning Symposium: Spatially Explicit Machine Learning and Artificial Intelligence II

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Gengchen Mai, gengchen.mai25@uga.edu

**Primary Session Chair(s):** Gengchen Mai *University of Georgia*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Meiliu Wu	Spatial Context-Aware Prompt Engineering for Vision-Language Multi-modal Learning
HUIHAI WANG	A Graph Based Urban Regional Function Encoding
Morteza Karimzadeh	Model Ensemble with Dropout for Uncertainty Estimation in Segmentation of Sea Ice in Sentinel-1 SAR
Krzysztof Janowicz	What about Multi-Perspective Data?
Sarah Battersby	Computational methods to trace space-time interaction patterns in large movement data

## Impacts of Social, Natural, and Built Environments on Health 1

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Health and Medical Geography Specialty Group

**Primary Organizer:** Ayodeji Iyanda, Prairie View A&M University

**Primary Session Chair(s):** Ayodeji Iyanda *Prairie View A&M University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Johanna Bock	Nature interactions and mental health – An interdisciplinary review
Ayodeji Iyanda	Social identity, greenspace, and depressive symptoms among emerging adults
Zihan Kan, <i>The Chinese University of Hong Kong</i>	Nonstationary relationships among individuals' concurrent exposures to noise, air pollution and greenspace: a mobility-based study
Yang Liu	A Systematic Investigation of the Confounding Associations between People's Exposure to Green Space and Outdoor Artificial Light at Night (ALAN) across Different Research Paradigms

## Mainstreaming resilience for responses to climate change 2 - Resilience methodology

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Development Geographies Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Liang Emlyn Yang, Harvard University, USA; and LMU Munich, Germany

**Primary Session Chair(s):** Liang Emlyn Yang *Harvard University, USA; and LMU Munich, Germany*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Miku Lenentine	Resilience Hub Planning on O'ahu: A Participatory GIS Approach for Active Learning, and Neighborhood Scale Resilience
Dejin She	How Climate Change Affects Farmers' Adaptive Behaviors in China: Empirical Research and ABM Approach
Sarbeswar Praharaj	Using GIS Dashboards for Addressing Climate Resilience and Justice Issues
janet franklin	Climate change vulnerability assessment of culturally important plant species to advance eco-cultural resilience of Tribal Nations

Wenhao Wu	Construction of a comprehensive Resilience Profiling: A values-based approach to climate policy development
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## Digital (geo)politics 1: Infrastructure and new technologies

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Digital Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Weiqiang Lin, National University of Singapore

**Primary Session Chair(s):** Weiqiang Lin *National University of Singapore*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Xiaofeng LIU, <i>University of Hong Kong</i>	Digital geopolitics: Review and agenda
Tina Harris	Airspace Borders and Digital Geopolitics: A Pilot Project
Tom Narins	Grounding digital technologies along the Belt and Road Initiative
Lizhi Peng	Exploring Digital Inequalities in the Age of ChatGPT
Yiu Teng Ng	Examining geopolitical echoes of COVID-19 on airport automation

### Non-Presenting Participants

Role	Participant
Discussant	James Ash <i>Newcastle University</i>
Discussant	Peter Adey <i>Royal Holloway, University of London</i>

## Ecosystem Conservation and Restoration for Sustainable Development in Developing Countries 1

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** zhanqi wang, China University of Geosciences, Wuhan

**Primary Session Chair(s):** zhaojun wang *China University of Geosciences, Wuhan*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

zhaojun wang	How to improve the urban land use efficiency by macro-control to deal with the problems brought by rapid urbanization
xiuyu huang	Spatial–Temporal Evolution and Driving Factors of the Low–Carbon Transition of Farmland Use in Coastal Areas of Guangdong Province
chen zhang	Coupling coordination analysis and spatiotemporal heterogeneity between ecosystem services and land use transitions
Yingjun Xu	Synergy level of urban resilience and urban land use efficiency in the Yellow River Basin: Spatial-temporal evolution characteristics and driving factors
Gama DingBaJiangCuo	Are Sacred Natural Sites Effective for Biodiversity Conservation? Insights from the Qinghai-Tibet Plateau
Richard Ross Shaker	Mapping hidden development patterns in Africa and their sustainability correlations
Zhengkang Han	High-quality development in the Yangtze River Economic Belt : Measurement, pattern and improvement strategiess

## Panel: Spatial Data Science in an Age of Scientific Disruption - A Curriculum

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Trisalyn Nelson, University of California Santa Barbara

**Primary Session Chair(s):** Peter Kedron *University of California Santa Barbara*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 314 (Lānaʻi), Third Floor, Hawaiʻi Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Presentation of Curriculum

Commentary from Discussant

Open Discussion

**Non-Presenting Participants**

Role	Participant
Panelist	Joseph Holler <i>Middlebury College</i>
Panelist	John Wilson <i>University of Southern California</i>
Panelist	Clancy Wilmott <i>University of California Berkeley</i>
Panelist	Angela Lee <i>ESRI</i>
Panelist	Andrew Haglund <i>ESRI</i>

**Effects of Environmental Policy on Natural Resource Conservation and People's Livelihoods-I**

**Type:** Paper

**Sponsor Group(s):** Asian Geography Specialty Group, China Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Conghe Song, University of North Carolina at Chapel Hill

**Primary Session Chair(s):** Conghe Song *University of North Carolina at Chapel Hill*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Mengyao Li	Collaborative Water Governance in China
Marieke Fenton	Impacts of a Paraguayan Deforestation Ban on Farming Groups
Tianjiao Feng	Effects of long-term afforestation and different vegetation types on hydrological ecosystem functions in semiarid region of China
Daniel Avendaño Leadem	Balancing Act: Rethinking Ecological Corridors in Costa Rica as Catalysts for Sustainable Transition and Innovative Policymaking
Daria Ponstingel	The impact of conservation efforts and population characteristics on land use and land cover in the Hudson River estuary watershed.

## Spatiotemporal Data Analytics and Modeling of Land Systems

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Wenwu Tang, University of North Carolina at Charlotte

**Primary Session Chair(s):** Minrui Zheng *Renmin University of China*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

建新 杨	MUSE: An Open-Access Platform for Urban Expansion Simulation with Multitype Patch Generation Engine and Multilevel Morphology Regulation
Yunfei Ma	Evaluation of Urban Space Performance Based on the Reverse Gravity Model
Alana Rader	In more terms than one: The need for forest 'regeneration' in Land System Science

## The Political Economy of Migration Governance: Extraction, Logistification and Racial Capitalism 4

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Danai Avgeri, University of Cambridge

**Primary Session Chair(s):** Danai Avgeri

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 11

### Presentations (if applicable) and Session Agenda:

Anna Pearce	Asylum as Artifice: The Forces of Real Abstraction in the Spatial Production of Glasgow's Asylum Accommodation
Elisa Pascucci	The border con: The consulting industry in migration and humanitarian governance
Francis Collins	Settler Colonial Authority, Immigration and the Arbitration of Settlement
Ana Cukovic	Manufacturing Ruin, Manufacturing Revitalization: Displacement and Migration in Detroit
Lio Ando-Bourguet	Reappropriating the 'native' gaze: Indigenous perspectives of migration and border politics in Tohono O'odham lands (Cukson)

## Placing digital infrastructure: space, scale and territoriality in platform ecosystems

**Type:** Paper

**Sponsor Group(s):** Digital Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Dylan Brady, National University of Singapore

**Primary Session Chair(s):** Dylan Brady *National University of Singapore*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 324, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Kuba Jablonowski	The platform border as topographical, topological, and transactional space
Dylan Brady, <i>N/A</i>	City-state-stack: topologies and territories of digital payment infrastructure
Susan Moore	Facebook London: Ambiguities between Translocal Platform and Local Communication Infrastructure
Karinne Madron	Google data centres and how their calculated (in)visibility challenges local governance and planning.
Huiyan He	Digital platforms and the growth of relational rural spaces

**Animal-State Relations II: A Political Geography of Multispecies Nation-Making**

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Yamini Narayanan, Deakin University

**Primary Session Chair(s):** Yamini Narayanan *Deakin University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Hannah Fair	Losing the rat race? Ambivalent animal-state relations in UK pest management
Guillem Rubio Ramon	Escaped, wild, and free-living: Nonhuman animals at the limits of nation and species
Caroline Fusco	Sports should not cost the earth or animals: Interrogating interspecies entanglements in sport stadium spaces.

Jacquelyn Johnston	Florida's Most Wanted: An uncomfortable conversation about the murky waters bloodied by Python hunting in the Everglades.
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## UAS or Drones for Environmental, agricultural, and urban mapping applications Session II

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Grayson Morgan, BYU

**Primary Session Chair(s):** Grayson Morgan *BYU*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Fang Qiu, <i>University of Texas - Dallas</i>	Deep Learning based Wildlife Animal Monitoring using Drone Remote Sensing
Christopher Schaney	Using Uncrewed Aerial Vehicles to Assess the Impact of Sea Level Rise within Saxis Wildlife Management Area, Chesapeake Bay Virginia
Feilin Lai	UAS Mapping of Invasive Plant Species in Central Minnesota
Jeffrey Miller	Evaluating the accuracy of UAS mapping with and without ground control points

## Career Mentoring I: Government and Nonprofit Career Paths

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313B (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Discussant	Shaun Williams <i>Center for Naval Analyses</i>
Discussant	Joshua Comenetz <i>U.S. Census Bureau</i>
Discussant	Catherine dL. Tan <i>Cambridge University</i>
Discussant	Heidi Crawford <i>U.S. Census Bureau</i>
Discussant	Angel Perez <i>U.S. Geological Survey</i>
Discussant	Austen Lorenz <i>U.S. Geological Survey</i>
Discussant	Maurice McHugh <i>NOAA</i>
Discussant	Natasha Rivers <i>BECU</i>
Discussant	Kyle Titlow <i>U.S. Department of Transportation</i>

### Constructing and Contesting Religiosities

**Type:** Virtual Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Geography of Religions and Belief Systems Specialty Group

**Primary Organizer:** Max Samson, DePaul University

**Primary Session Chair(s):** Max Samson *DePaul University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Catherine Carter	DINÉTAH: Sacred Places in Navajoland
Ledeebari Banuna	Reflections on the Ogoni landscape: Indigenous traditional knowledge, Extractive pollution and contamination, ecological trauma, and embodied violence

Shivangi Kaushik	Understanding the creation of different aspirational geographies in newly independent India: engaging with difference and relativity
Daniel Chow	Rethinking the Production of Sacred Spaces: A Critical Poetics Approach to Pentecostal Spatial Contestations in Postcolonial Hong Kong
Anna Mansson McGinty, <i>University of Wisconsin - Milwaukee</i>	Politics of belonging and dissent of Muslim Americans within two protest movements, the Women's March and Black Lives Matter

## Spatial Approaches to Applied Memory and Heritage II

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Historical Geography Specialty Group

**Primary Organizer:** Mark Rhodes,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Mark Rhodes, <i>Michigan Technical University</i>	Memory Work, Market Methods, and Planty Performance: Integrating Living Memorials and Community Food Networks
Katrina Stack	Housing the Past: Toward a Feminist Preservation of Civil Rights Memory
Beth Schlemper, <i>University of Toledo</i>	Mapping the Historical Geography of "Unknown Woman, alias Samuel Ackerman"
Bryan Wee	The Construction of a Nation: Hawker Heritage in Singapore

## Making Energy Public(s) 2: Energy Diplomacy, Energy Autonomy [Hybrid]

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Madeline Kroot, PhD Candidate, Clark University

**Primary Session Chair(s):** Madeline Kroot *PhD Candidate, Clark University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Heather Bedi, <i>Dickinson College</i>	India's Renewable Energy Soft Power Diplomacy
Michael Dwyer, <i>Indiana University</i>	Linking publics across the North-South divide: Comparing transnational rural-electrification financing in cold-war and contemporary Southeast Asia
Bethani Turley, <i>Portland State University</i>	The Appalachian Regional Clean Hydrogen Hub (ARCH2), US energy independence, and the risk of carbon lock-in
Chris Benner, <i>University of California Santa Cruz</i>	Powering Prosperity: From Lithium Valley to a Western EV Ecosystem

## HRDSG Heat Risks II

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Brendan Wayne Lawrence *Texas A & M University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Bryan Boruff	Why is (re)development hot? – understanding the relationship between residential (re)development and heat exposure in Australian cities
Sunhui Sim	Correlations of neighborhood characteristics, land cover and surface temperature

Brendan Lawrence	Investigating Urban Heat Island Signal of a Mid-sized City Across Seasons Using Multiple Land Cover Schemes.
Jisoo Park	The interaction of urban streams and urban forms in mitigating the Urban Heat Island(UHI) effect
Stelian Dimitrov	UAS based remote sensing and thermal photogrammetry application for rapid mapping and assessment of surface urban heat island intensity

### Active transportation and resilient cities

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Anastasia Soukhov, McMaster University

**Primary Session Chair(s):** Anastasia Soukhov *McMaster University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Karolina Sitnik	15-minute city concept vs. development of the public transportation system. Case study of Targówek, Warsaw.
Ifeoma Ukonze	Green Infrastructure Integration in Urban Transportation Systems: Strategies for Advancing Sustainable and Resilient Cities, A case study of Dunedin Urban Streetscape
Brianna Chan	Neighborhood Peer Effects, Active Transportation Use, and Health Equity
Yuyan Che	Route Choice of Emerging Electric Bike Share Users

## AAG 2024 Symposium on Geospatial Data Science for Human Dynamics: Disease, Disaster, Crisis and Urban Development

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Chun-Hsiang Chan, Department of Geography, National Taiwan Normal University

**Primary Session Chair(s):** Chun-Hsiang Chan *Department of Geography, National Taiwan Normal University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Shan-Yin Yang	Determining the Global Epidemic Prevention Zone for Targeting Potential High-risk Origin Countries Through Global Aviation Network: A Case Study of the COVID-19 Pandemic
An-Hua Po, <i>Chung Yuan Christian University</i>	Reveal the Global and Regional Impacts of World Events on CPI through Global Trade Network Properties: Using the COVID-19 Pandemic as an Example
YI-CHIA CHENG	Characterizing the Population Flow Patterns After the 2023 Turkey-Syria Earthquake
Chanwoo Jin, <i>Northwest Missouri State University</i>	Predicting households' residential mobility trajectories with geographically localized interpretable model-agnostic explanation (GLIME)
Chun-Hsiang Chan, <i>Department of Geography, National Taiwan Normal University</i>	Religious Spread in a Multi-Religious Metropolitan: A Historical Religious Profile of Taipei City in Taiwan from 1660 to 2020

## How to Present at a Conference with Ease and Intention

**Type:** Virtual Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Niem Huynh, Concordia University

**Primary Session Chair(s):** Niem Huynh *Concordia University*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

## From Least Desired to Multiple Hires: Turning Challenged Interview Candidates into Professionals with Options

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Keith Searles, Urban GIS

**Primary Session Chair(s):** Keith Searles *Urban GIS*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## River Dynamics: Forms, Processes, and Observations II (In-person streamed/hybrid)

**Type:** Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Tanya Shukla, University of Illinois

**Primary Session Chair(s):** Tanya Shukla *University of Illinois*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Inci Guneralp	ScrollStats: An Automated Tool for Deciphering Meander Scrolls and Uncovering the Hidden Paths of Meander Migration
Dylan Shoemaker	Assessing the Variability of Bend Abandonment and Oxbow Lake Formation: a Global Analysis Using Satellite Imagery
Tasneem Haq Meem	Mixing at river confluences across the US
Bo Wang	Remote sensing estimates of flow partitioning downstream river bifurcations

## Household Water Insecurity Experiences Research Intersections 2: Latin America and Asia

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Justin Stoler, University of Miami

**Primary Session Chair(s):** Patrick Thomson *University of Oxford*

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Diganta Das, <i>Nanyang Technological University</i>	Everyday water geographies and practices in Indian cities
Juliane Dame, <i>University of Bonn</i>	Challenges for Local Water Governance in Central-southern Chile: Insights from the Biobío and Los Ríos Regions
Ana Lucia Britto	Water Insecurity in Rio de Janeiro's Favelas: New Challenges Arising from Water Services Privatization
Patrick Thomson, <i>University of Oxford</i>	Enabling Sanitation Enterprises in Low and Middle-Income Countries
Thomas LaVanchy, <i>Oklahoma State University</i>	Recycling water: A good idea for Cape Town?

## Transitions in Food and Agriculture Systems

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Kate Nelson,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Matthew LaFevor, <i>University of Alabama</i>	Drivers of crop species production diversity in Mexico (1980-2020)
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Jiangxiao Qiu	Transformative change in urban food systems to advance urban resilience and sustainability
Ivonne Weichold	Stakeholder engagement by spatializing an Agricultural and Horticultural Land suitability assessment using an analytical hierarchy process (AHP) - A Case Study of Luxembourg
Gerald Schwarz, <i>Thuenen Institute</i>	Co-designing new business models for soil health – insights from a case study in Germany
Ryan Baxter	Drivers of Cropland Abandonment in the United States

## Tornados and Clouds

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Bo Peng

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Christopher Williams, <i>University of Florida</i>	Demonstrating Decision Arc Model Robustness Using Tornado Case Studies
Jason Senkbeil	Meteorological and Geographic Constraints on Rapid Comprehension of Tornado Warning Information
Heidi Erfourth	Exploring Trends in Tornado Outbreaks and Greenhouse Gas Concentrations

## GIS Applications for Hydrologic Issues

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Wilbert Karigomba

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Christopher Cheek	Developing remote sensing tools to optimize management of stream connectivity
Shixiong Hu	Application of Interoperability in GIS-based Hydrological Models
Jida Wang	Lake-TopoCat: a global lake drainage topology and catchment database
Ekaterina Miliutina, <i>University of Alabama</i>	Mapping and Tracking Invasive Water Hyacinth in African Great Lakes using Multi-sensor Remote Sensing Observations
Wilbert Karigomba	Evaluating Watershed Management Strategies - A case of Beaver Lake Watershed

## Geographies of Gender, Recreation, Identity, and Sustainability

**Type:** Lightning Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Kevin Kane

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Marta Nalej	Methodological framework of the research on the landscape perception's determinants: Virtual reality methods and tools
Hyojeong Lim	A Direction of Urban Park Reconstruction Reflecting the Forecast of Demographic Changes: Focusing on Elderly-Friendly Parks in South Korea

TIAN TIAN	Research on the Impact Mechanism of Concession in China National Parks
James Chaney	“We’re from Kawthoolei!” Rooting the Identity of Karen Refugees in an Imagined Homeland
Esra Ozdenerol	ASPIRED- STEM WOMEN STORIES. A geographer’s journey with NSF ADVANCE.
Hannah Weber	Drivers and Barriers to the Implementation of Sustainability Initiatives at Liberal Arts Colleges in the Midwestern United States
Mingshuang Lian	Correlates between travel activities and subjective wellbeing using the American Time Use Survey
Peter Kumer	Navigating Rural Queerness in Slovenia: A Qualitative Inquiry

## Economic and Environmental Geographies

**Type:** Lightning Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Ruoyi Xiong

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Santosh Panda	Opportunities and challenges in implementing carbon management projects on state lands of Alaska: A Geospatial Investigation
Mengru Liu	Evaluating the Synergistic effect of digital economy and government governance efficiency on urban low-carbon transition

Katharine Bailey	Energopolitics and Alternative Currencies: a theoretical proposition for degrowth money
Xiangyi ZHU	Sentiment Mapping: Analyzing the Hotel Market on Booking.com in San Diego
ruoyi Xiong	When traditional village protection meets The Chinese Path to Modernization: A rural regional system perspective
Kevin Kane	The Lived Experience of Density in Neighborhoods: What is the Right Measure?

## Geographies of Crime and Violence

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Anna Fernandez

**Date:** 4/16/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Peter DeBartolo, <i>University of Oxford</i>	Analyzing the Imaginative Geographies of the New York City Police Department's War on Terror
Eugenio Arima, <i>The University of Texas at Austin</i>	Mapping violence risk with survey data
Fattah Hatami Maskouni	Spatial analysis of Neighborhood crime in Columbus
Anna Fernandez	Abolition Geographies of Sexual and Domestic Violence: Community Accountability Processes' Resistance to Criminalization and Medicalization
Dan Opstal	Shared Sensors, Shared Promise: Civil Applications in the Golden Age of Geography

### F1\_1: Icons of Hawaiian Urban Tropical Forestry

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Shawn Landry,

**Primary Session Chair(s):** Shawn Landry

**Date:** 4/16/2024 **Time:** 8:30 AM - 1:00 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

### F2\_1: Freshwater Spring Ecosystem workday site experience

**Type:** Field Visit

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Andrew Lewis,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 9:00 AM - 1:00 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

### WS1\_1: Geospatial Cyberinfrastructure Workshop: Building High-Performance, Ethical, and Secured Geospatial Software

**Type:** Workshop

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Zhe Zhang,

**Primary Session Chair(s):** Eric Wong

**Date:** 4/16/2024 **Time:** 8:30 AM - 4:30 PM **Room:** 323C, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Instructor	Michael Goodchild
Instructor	Shaowen Wang

## WS1\_2: Working with communities for transformative research outcomes

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Kelly Dombroski,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 9:00 AM - 12:00 PM **Room:** 323B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Instructor	Luke Drake

## WS1\_3: Climate Fresk Workshop

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Paul Sutton,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 9:00 AM - 12:00 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
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Role	Participant
Instructor	Paul Sutton

## Best Practices 2: Teaching Introductory Physical Geography

**Type:** Panel

**Sponsor Group(s):** Community College Affinity Group, Geography Education Specialty Group

**Primary Organizer:** Caroline McClure, Georgia State University

**Primary Session Chair(s):** Caroline McClure *Georgia State University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Caroline McClure <i>Georgia State University</i>
Panelist	Flavia D.S. Mores <i>Georgia State University</i>
Panelist	Tamara Biegas <i>Harford Community College</i>
Panelist	Erin D. Dascher <i>Eastern Washington University</i>
Panelist	Terence Day <i>Okangan College</i>
Panelist	Christa A. Smith <i>Clemson University</i>

## Symposium on Human Dynamics Research: Geosimulations for Addressing Societal Challenges I

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Na (Richard) Jiang, University at Buffalo, USA

**Primary Session Chair(s):** Andrew Crooks

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Bright Addae	Spherical geosimulation model for multi land-use/land-cover change
Hui-Chun Lee	Building Player-Based Model in Multiplayer Online Games — the Impact of Exposure Networks on Vaccine Decisions
Sean Ahearn	Generative deep learning: next steps in movement simulation/analysis?
Alison Heppenstall	Exascale agent-based modelling for policy evaluation in real-time (ExAMPLER)
Tom Pike	Mesa, agent-based modeling in Python

## Symposium on Community Resilience Research: Do the Numbers Represent as They Are Defined?

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Hazards - Risks - and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Kejin Wang, Louisiana State University

**Primary Session Chair(s):** Kejin Wang *Louisiana State University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Palash Chandra Das	Understanding Business Recovery after Disasters Using Human Mobility Data
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Zuge Xing	A fall into the pit, a gain in your wit: Pandemics, path dependence and regional economic resilience in China
Nazmoon Nahar Sumiya	Understanding the Chemical Facility Amplified Air Pollution Impacts on Human Health Outcomes: A Case Study on Texas
Barnali Dixon, <i>University of South Florida</i>	From CRIS to CRIS-HAZARD - Development of a Near Real-Time Community Crowdsourced Resilience Information System for Enhancing Community Resilience – An overview of the conceptual framework.
Kejin Wang, <i>Louisiana State University</i>	Reviewing and comparing indices for vulnerability and resilience assessment: What is a good index?

## Hazards Geography & Qualitative Analyses I

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Brendan Lavy, Texas Christian University

**Primary Session Chair(s):** Elyse Zavar *University of North Texas*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Nicole Hutton, <i>Old Dominion University</i>	Resilience Planning for Climate Hazards and Health Impacts: A Partnership With Two Virginia Indian Tribes
Burrell Montz, <i>East Carolina University</i>	Deeper engagement and better understanding: Exploring the diverse needs for hazard information
Amy Podraza	Standardization of Emergency Management Language
Kingsley Oppong	The Role of Gender and Salient Intersectional Identities in producing Vulnerability to Flooding in Berekum, Ghana

Deborah Hann	"I Survived": A geographical analysis of children's books and historic disaster events
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## Effects of Environmental Policy on Natural Resource Conservation and People's Livelihoods-II

**Type:** Virtual Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Asian Geography Specialty Group, China Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Sophia Graybill, University of North Carolina at Chapel Hill

**Primary Session Chair(s):** Conghe Song *University of North Carolina at Chapel Hill*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 5

### Presentations (if applicable) and Session Agenda:

Qi Zhang, <i>Boston University</i>	Understanding human decisions on cropland use and labor migration under community forest management in Nepal
Sophia Graybill, <i>UNC Chapel Hill</i>	Moving Out and Moving In: Effects of Migration on Women's Engagement in Community Forestry in the Middle Hills of Nepal
Ruijia Hu	On Assessing Landscape Connectivity in Fragmented Landscapes: A Case Study of Hamilton, Ohio
Conghe Song, <i>Univ of North Carolina at Chapel Hill</i>	Crop-raiding and livestock depredation are major negative externalities to local residents in forested landscapes

## Ideational economic geographies II

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Jamie Peck, University of British Columbia

**Primary Session Chair(s):** Chris Meulbroek *University of British Columbia*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Shaina Potts, <i>University of California-Los Angeles</i>	Incorporating legal texts, discourses, and ideas in economic geography
Rachel Phillips, <i>UBC</i>	The Uses of Property: American Legal Thought and the 'Externality Problems' of Neoliberal Ecology
Max Cohen, <i>University of British Columbia</i>	Speaking for the world: ideational economic geographies meet the International Energy Agency
Jamie Peck, <i>University of British Columbia</i>	Ideas, ideation, institutions, and geographical political economy

**Contemporary Chinese Tourism: Critical theories from the East 2****Type:** Paper**Sponsor Group(s):** China Specialty Group, Recreation - Tourism - and Sport Specialty Group**Primary Organizer:** Harng Luh Sin, Singapore University of Social Sciences**Primary Session Chair(s):** Honggang Xu *Sun Yat-Sen University, China***Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301B, Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Shize Zhang	Navigating the Journey from Fishing to Surfing: Unraveling the Constraints on Local Participation in Houhai Village Tourism, China
Xiaojuan Yu	How is primary and secondary school education cultivating tourists? A research subject and approach
xuehong xiao	Vibrant waste: Tracing the spatiotemporal flow of solid waste in an island tourism destination
Xiao Zhang	Tourism and Community Empowerment: Critical Insights from China

pian pu	Mountain adventure tourism and reconstruction of self-identity: case at Tibetan community of Mt.Siguniang
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## Mainstreaming resilience for responses to climate change 3 - Coastal resilience

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Development Geographies Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Liang Emlyn Yang, Harvard University, USA; and LMU Munich, Germany

**Primary Session Chair(s):** Liang Emlyn Yang *Harvard University, USA; and LMU Munich, Germany*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Kate Schlott, <i>CUNY - Graduate Center</i>	Volunteer Engagement in a Waterfront Community: Local climate resilience strategies and action
Anamaria Bukvic, <i>Virginia Tech</i>	Confronting coastal flooding in urban neighborhoods: Coping, adapting, and considering relocation
Garima Jain	"Salt in the wound" or disaster resilience: Aquaculture land transformations in coastal India
Gabriele Casano	Environmental risks and climate change in the IGAD region: insights on resilience from investigations on floods displacement and droughts coping strategies
Mehdi Azam	Post-Covid 19 migration trends and perspectives – an empirical approach based on household interviews in the spatial contexts of Coastal Bangladesh

## Household Water Insecurity Experiences Research Intersections 3: Global Reflections on WASH Insecurity

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Justin Stoler, University of Miami

**Primary Session Chair(s):** Penelope Mitchell *University of Alabama*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Hugo Loaiciga	Comparative analysis of potable water supply in Southeastern Spain, Los Angeles, and Sydney: adaptation approaches to overcome water scarcity under climate change and growing population
Laura Castro-Diaz	Coping with water insecurity in U.S. colonias
Charlayne Mitchell	Justice and Injustice in "Modular, Adaptive, and Decentralized" (MAD) Water Systems
Justin Stoler, <i>University of Miami</i>	Intermittent and Unpredictable Water Supplies in the 21st Century: A New Normal?
Penelope Mitchell, <i>University of Alabama</i>	Exploring Pathways to Impact – The Global Water Security Center

## Rethinking China's urban governance III - Rural-urban dynamics

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Jiang XU, The Chinese University of Hong Kong

**Primary Session Chair(s):** Cindy Fan *UCLA*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Cindy Fan, <i>UCLA</i>	China's Hukou Reforms: Has Anything Changed?
Shengxi Xin	Conceptualising the Transitioning Chinese Rural Governance Model under Rural Revitalisation

Kaiyang Jia	Unpacking the Divergent trajectories of the Rural-Urban Interface in China: a comparative socio-spatial analytics approach
Sujuan Zhong	Land market integration under ambiguous property rights: A Comparative Case Study from China
Qiulin Ke	Effectiveness of TH policy on talent migration decision in China

## Digital (geo)politics 2: Data and standards

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Digital Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Weiqiang Lin, National University of Singapore

**Primary Session Chair(s):** Xiaofeng Liu *National University of Singapore*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Matthew Zook, <i>University of Kentucky</i>	" Maintaining the Digital": Internet protocols and the complex questions of governance
John Kendall, <i>University of Minnesota</i>	Silos, Platforms, and Fields: On the Network Topology of Digital Oil and Gas
Weiqiang Lin, <i>National University of Singapore</i>	Digital Standardization: Airport Automation, National Branding and China's Aeromobilities

### Non-Presenting Participants

Role	Participant
Discussant	Peter Adey <i>Royal Holloway, University of London</i>

Discussant	James Ash <i>Newcastle University</i>
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## Ecosystem Conservation and Restoration for Sustainable Development in Developing Countries 2

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** hanwen du, China University of Geosciences, Wuhan

**Primary Session Chair(s):** ruimin yin *China University of Geosciences, Wuhan*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Ruimin Yin	Multi-scenario simulation of China's dynamic relationship between water–land resources allocation and cultivated land use based on shared socioeconomic pathways
Hanwen Du	Multi-scenario land use change modeling and its impact on ecosystem service functions in Wuhan city circle
Ying Zhang	Study on urban compactness evaluation and temporal and spatial evolution in Hubei Province
Li Weiye	Carbon emission reduction potentials of transformation to wood-based structures for residential buildings in rural China
Kaihao Zeng	Forming logical analysis of the multi-subject cooperation model for industrial land redevelopment based on IAD framework

## Spatial Data Science in an Age of Scientific Disruption - A Research Agenda

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Trisalyn Nelson, University of California Santa Barbara

**Primary Session Chair(s):** Peter Kedron *University of California Santa Barbara*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Presentation of Research Agenda
Commentary from Discussant
Open Discussion

**Non-Presenting Participants**

Role	Participant
Discussant	Michael Goodchild
Panelist	Steven Manson <i>University of Minnesota</i>
Panelist	Bo Zhao <i>University of Washington</i>
Panelist	Wendy Guan <i>Harvard University</i>
Panelist	Amy Frazier <i>University of California Santa Barbara</i>

**Developing Curricular Resources to Advance Human Security and Geospatial Intelligence: A Panel Discussion on Challenges, Opportunities, and Lessons Learned.**

**Type:** Panel

**Sponsor Group(s):** Geography Education Specialty Group, Military Geography Specialty Group

**Primary Organizer:** Darren Ruddell, University of Southern California

**Primary Session Chair(s):** Darren Ruddell *University of Southern California*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Scott Kelley <i>University of Nevada, Reno</i>
Panelist	Sarbeswar Praharaj <i>University of Miami</i>
Panelist	Jinwen Xu <i>Florida International University</i>
Panelist	T. Monicque Lee <i>Center for Public Safety Management</i>
Panelist	Bitá Minaravesh <i>University of Southern California</i>
Panelist	Logan Bolan <i>Geographer</i>

## Animal-State Relations III: A Political Geography of Multispecies Nation-Making

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Stephanie Rutherford, Trent University

**Primary Session Chair(s):** Stephanie Rutherford *Trent University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Lola AUBRY	Whale-human entanglements in the multispecies politics of B/ordering and Othering
Stephanie Rutherford, <i>Trent University</i>	Wolf Diplomats? Howling as Political Speech in Settler Colonial Canada

Matthew Burke	Science, learning, and the non-animal human
Arushi Singh Parmar	Exotic pets in India: negotiating their place in a foreign home
Amit Kaushik	Painting a Cow Blue: Multispecies Relations Between Nilgai, Cow and the State in India

## Tourism, resilience and wellbeing

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Regina Scheyvens, Massey University

**Primary Session Chair(s):** Apisalome Movono *Massey University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Regina Scheyvens	Supporting the wellbeing of tourism-reliant communities in the face of extended shocks: An analysis of protective factors at work in the Pacific islands
Ian Munanura	Bridging Gaps: Livelihood Resilience, Ecotourism, and Biodiversity Conservation in the Tropical Regions of Africa
Anne Hardy	MEASURING THE IMPACT OF TOURISM UPON TOURISTS' WELLBEING THROUGH TECHNOLOGY
Miguel Puig Cabrera	Challenges to measuring tourism employee well-being in small island states
Wiwik Dharmiasih	The future guardians of Bali's subak heritage: Between UNESCO, the state, and local livelihoods in a designated cultural landscape

## U.S. Census Bureau Geography - A Focus on Hawaiian Home Lands

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Joshua Coutts, U.S. Census Bureau, Geography Division

**Primary Session Chair(s):** Joshua Coutts *U.S. Census Bureau, Geography Division*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Wendy Hawley	Hawaiian Home Lands and the U.S. Census Bureau
Joshua Coutts, <i>Census Bureau</i>	Census Bureau Geography in the State of Hawaii
Heidi Crawford	U.S. Census Bureau Geographic Data, Tools, and Resources
Madeline Sovich	US Census Bureau Hawaiian Geography Partnership Programs

### Non-Presenting Participants

Role	Participant
Discussant	Wendy Hawley <i>U.S. Census Bureau, Geography Division</i>
Discussant	Madeline Sovich <i>U.S. Census Bureau, Geography Division</i>
Discussant	Heidi Crawford <i>U.S. Census Bureau, Geography Division</i>

## Geographic research from the perspectives of journal editors

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session, Geography Faculty Development Alliance (GFDA)

**Primary Organizer:** Shannon O'Lear, Kansas University

**Primary Session Chair(s):** May Yuan *University of Texas at Dallas*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 324, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**


### **Non-Presenting Participants**

Role	Participant
Panelist	Tony Grubestic <i>UC-Riverside, Chief Editor of Computers, Environment and Urban Systems</i>
Panelist	Ling Bian <i>University at Buffalo, Editor of Annals: Geographic Methods</i>
Panelist	Paul Adams <i>UT-Austin, Editor of Annals: Human Geography</i>
Panelist	John Wilson <i>USC; Editor in Chief of Transactions in GIS</i>
Panelist	Scott Lecce <i>East Carolina University, Editor of Geomorphology</i>
Panelist	Anne Chin <i>University of Colorado, Denver, and Founding Editor-in-Chief of Anthropocene</i>

## **Spatial Approaches to Applied Memory and Heritage III**

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Historical Geography Specialty Group

**Primary Organizer:** Mark Rhodes,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

Christopher Post	Survivor Inclusion in Memory Work at Kent State
Andrea Simone	Unveiling the Unseen: The Role of Geography and Community Engagement in Archaeological Research and Narratives

Michael Hawkins, <i>Kent State University</i>	Resonance of Tales: Understanding Climate Change Perceptions Through Storytelling in an Appalachian Coal Town
Joseph Scala	“Native Trails” and Challenging the Spatial Imaginary of the Old Spanish Trail

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Challenges and Opportunities of Spatial Accessibility 2

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jinwoo Park, University of North Dakota

**Primary Session Chair(s):** Jinwoo Park *University of North Dakota*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Luis Enrique Ramos-Santiago	ETCO: Operationalizing and Assessing Accessibility to Opportunities by Foot in Four New Deal Villages
Yaxiong Shao, <i>Northern Illinois University</i>	Bridging the Gap: Unraveling Disparities between Potential and Revealed Spatial Accessibility to Healthcare Services Using Geospatial Big Data
Alexander Michels, <i>UIUC</i>	Putting the Area in Catchment Areas: An Areal Approach to Spatial Accessibility Analysis
Michał Niedzielski	Transport mode, accessibility, and Warsaw's Night of the Museums
Jinwoo Park, <i>University of North Dakota</i>	Synthesizing place- and people-based accessibility measurements using a space-time cube approach

## GeoAI and Deep Learning Symposium: Spatially Explicit Machine Learning and Artificial Intelligence III

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Gengchen Mai, University of Georgia

**Primary Session Chair(s):** Gengchen Mai *University of Georgia*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Zhaonan Wang	GeoShone: Towards A Geo-Foundation Model for Spatially Heterogeneous Network Modeling
Tianyang Chen, <i>University of North Carolina - Charlotte</i>	Considering spatial dependency of predicted labels in deep learning-based 3D object detection
Xiaoting Li	Mapping Global Building Height Using Sentinel-1 and Sentinel-2 Data through Limited Labels and Domain Adaptation Techniques
Ziqi Li, <i>Florida State University</i>	Comparing the effectiveness of location encoding to account for spatial effects in machine learning with GeoShapley

## Leveraging urban green space to address compound crises 3

**Type:** Paper

**Sponsor Group(s):** Landscape Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Michelle Stuhlmacher, DePaul University

**Primary Session Chair(s):** Michelle Stuhlmacher *DePaul University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Laura Messier	Imagining the Future of Green Infrastructure in Los Angeles
Amber Pearson	Green isn't always good: Time outdoors does not benefit mental health in a sample of predominantly Black people

Ayda Kianmehr	How suitable is the current tree canopy for a warmer future climate? A case study of four neighborhoods in downtown Los Angeles
Austin Martin	Urban processes and urban pollinators: green spaces as a sustainability fix in a world of declining pollinators
Saeedeh Morassafar	Equitable Accessibility to Urban Green Spaces in Tehran, Iran: A Comprehensive Assessment

## Multidisciplinary and Geographical Perspectives on Climate Change and Climate Justice

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Health and Medical Geography Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Ivan J. Ramirez, University of Colorado Denver

**Primary Session Chair(s):** Ivan J. Ramirez *University of Colorado Denver*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Karen Bailey, <i>University of Colorado</i>	A framework for understanding equity and justice in climate adaptation
Jieun Lee, <i>Department of Geography, GIS, and Sustainability</i>	Geography of Disparity: Connecting COVID-19, Climate Vulnerability and Social Determinants of Health in Colorado
Ivan J. Ramirez, <i>University of Colorado - Denver</i>	Climate justice and social drivers of malaria vulnerability in northern Peru

## Making Energy Public(s) 3: Energy Communities, Energy Contestations [In-Person]

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Madeline Kroot, PhD Candidate, Clark University

**Primary Session Chair(s):** Madeline Kroot *PhD Candidate, Clark University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Katie Grote, <i>University of Kansas</i>	Indigenous Peoples and the Power(lessness) of Public Participation: Assessing effects of Indigenous community input in the Alaskan Coastal Plain oil and gas leasing program environmental impact statement
Maddy Kroot	How to Kill a Powerline: Utility-on-Utility Violence in Energy Permitting Disputes
Karl Hoesch	Fitting Large-Scale Solar into a Community-Sized Box
Salma Elmallah	The "equity turn" and energy publics in Northern California
Cristina Crespo	"It's like shark attacks": Exploring the role of electric reliability in residential energy transitions.

## The Pre-GISP Exam (Opportunity I)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tony Spicci, GISP Certification Institute

**Primary Session Chair(s):** Jochen Albrecht *Hunter College CUNY*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313B (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## HRDSG Wildfires and Risk Modeling

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Dmitri Alexander Kalashnikov *Washington State University - Vancouver*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Kevin Zerbe	Spatial statistical analysis of large wildfire events in Washington State, 1970-2020
Ilan Gonzalez-Hirshfeld	Change Assessment of Fire Weather in the US Pacific Northwest Using CMIP Projections
Dmitri Kalashnikov	Lightning-Ignited Wildfires in the Western United States: Ignition Precipitation and Associated Environmental Conditions
Fangzheng Lyu, <i>University Of Illinois</i>	Multi-stream STGAN: A Spatiotemporal Image Fusion Model with Improved Spatial Transferability

**New directions in bodies, health, environment and care**

**Type:** Virtual Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Halie Kampman, Penn State University

**Primary Session Chair(s):** Halie Kampman *Penn State University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 9

**Presentations (if applicable) and Session Agenda:**


**Non-Presenting Participants**

Role	Participant
Panelist	Carly Nichols <i>University of Iowa</i>
Panelist	Elizabeth Olson <i>University of North Carolina-Chapel Hill</i>

Panelist	Sharrelle Barber <i>Drexel University</i>
Discussant	Brian King <i>The Pennsylvania State University</i>
Panelist	Allison Hayes-Conroy <i>Temple University</i>

## (Re)negotiating species belonging in a changing world

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Aisling Rayne, Cawthron Institute

**Primary Session Chair(s):** Aisling Rayne *Cawthron Institute*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Christine Biermann <i>University of Colorado, Colorado Springs</i>
Panelist	Sarah Crowley <i>University of Exeter</i>
Panelist	Leah Gibbs <i>University of Wollongong</i>
Panelist	Jane Kitson <i>Kitson Consulting Ltd</i>
Panelist	Nicholas Reo <i>Simon Fraser University</i>

## The Tragedy of Weather Commons?: Talking about Research and Development Programs for Weather Control in Japan

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tsuyoshi Hatori, Ehime University  
**Primary Session Chair(s):** Tsuyoshi Hatori *Ehime University*  
**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Introduction	Tsuyoshi Hatori <i>Ehime University</i>
Panelist	Christoph Rupprecht <i>Ehime University</i>
Panelist	Chris Berthelsen <i>Ehime University/The University of Auckland Waipapa Taumata Rau</i>
Panelist	Manon Simon <i>Tasmania University</i>
Panelist	Norie Tamura <i>The Graduate School of Project Design</i>
Panelist	Takuya Iwahori <i>Ehime University</i>

**GORABS and IPSG joint annual lecture: Noelani Goodyear-Ka'ōpua**

**Type:** Virtual Panel

**Sponsor Group(s):** Geography of Religions and Belief Systems Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Max Samson, DePaul University

**Primary Session Chair(s):** Max Samson *DePaul University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 3

**Presentations (if applicable) and Session Agenda:**

Keynote: Noelani Goodyear-Ka'ōpua

## Measuring motorized urban access

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Anastasia Soukhov, McMaster University

**Primary Session Chair(s):** Anastasia Soukhov *McMaster University*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Tejaswi Polimetla	Socioeconomic Disparities in the Regional Transit System in Gainesville, Florida
John Layman	Analyzing accessibility impacts of proposed bus rapid transit in Columbus, Ohio
Riccardo Fiorista	Spatio-Temporal Accessibility Analysis of Public Transit Networks
Jaemin Song	The impact of inter-city transit improvement on commuting patterns
Mengya Xu	Navigating Foodscapes: A Multifaceted Exploration of Food Food Accessibility, Transportation Infrastructure, and Definitions of Food Outlet Constructs Across Socio-Demographic Divides.

## Impacts of Social, Natural, and Built Environments on Health 2

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Health and Medical Geography Specialty Group

**Primary Organizer:** Ayodeji Iyanda, Prairie View A&M University, Prairie View, Texas

**Primary Session Chair(s):** Ayodeji Iyanda *Prairie View A&M University, Prairie View, Texas*

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Adiyukh Berbekova	Exploring the impact of green human resource management on employees' subjective well-being: the role of individual resilience
Jason Michael Athay	From Productivist to Consumer-Centric Geographies of Sustainability Transitions: Green Consumption, Environmental Psychology, and the Sites of Psycho-Socio-Technological Change
Jake Nelson	Exploring the drivers of local and non-local urban greenspace use through human mobility data
Shengbiao Wu	Improved human greenspace exposure equality during 21st century urbanization

## Food Justice 1

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Kate Nelson,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Natalie Vaughan-Wynn	Entangled Food Sovereignties: The Farm Bill, '638' Authority and Tribal food self-determination in the Pacific Northwest
Jessica Gilbert-Overland, <i>SUNY - Buffalo</i>	Values-Based Food Procurement Initiatives and Social Movements: Leveraging Political Opportunity Structures to Re-Engage Government in Food Systems Governance
Greig Guthey	From Food Deserts to Food Apartheid
Marcello Ursic	Mobile Food Displacement and Formalization: A Case Study of Portland's Block 216

## GIS and Location Decisions

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Changwha Oh

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jaewook Lee	Introducing the Methodology for developing a BIM-GIS based Digital Twin for Underground Utility Tunnels
Ansleigh Bright	Does Access Imply Usability? ? Evaluating Social and Physical Barriers to Park Access and Usability within Atlanta, Georgia
Moirra Conway	Transportation Impacts of Warehousing Growth in Berks County, PA
Judith Heher	GIS and Ballot Drop Off Boxes - the Efficacy of Placement Strategies
Changwha Oh	Solving the hub location problem using a spatially informed solution approach

## Mapping and Tracing: Geographies of Time and Space

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Kabita Paudel

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Harry Lee	The perspective of geographers regarding the link between climate change and wars in history
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Don Lafreniere	Public Participatory Historical GIS: The Keweenaw Time Traveler
Victoria Alapo	The Sophistication of Pre-Colonial African Kingdoms and Cities
Maggie Schuster	Tracing the Path of Emperor Jahangir (r. 1605-1627)
Kabita Paudel	Unveiling Glacier Transformations: A Comprehensive Assessment of Khumbu Glacier Dynamics from 2001 to 2023 Amidst Changing Climate.

## Geography of Disease

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jason Blackburn

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Abinash Bhattachan	Expansion of Valley fever range in California
Ian McMillan	Serosurveillance of Coxiella burnetii in feral swine populations of Hawai'i and Texas
Jason Blackburn, <i>University of Florida</i>	Integrating phylogenies, diversity indices, and ecological niche models to examine Bacillus anthracis evolution, diffusion, and establishment across spatial scales

## GIS, Remote Sensing, and Environment

**Type:** Virtual Lightning Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Yu Wang

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

Barbara MacLennan, <i>West Virginia University</i>	Testing the bounds of geography: Using the concept of place to construct cross-disciplinary understanding of spatial concepts
Yali Bai	A novel Red Edge Index of Vegetation (REIv) for monitoring early maize rust using the PROSPECT-D and LESS models
Claudia Viana	AgroecoDecipher – Reconstructing past agroecological conditions using historical survey sources
Yu Wang	A New Measurement and Multi-Scenario Simulation of Spatial Conflict in Production-Living-Ecological Space in Wuhan Metropolitan Area, China
Brent Hedquist, <i>Texas A&amp;M University-Kingsville</i>	Detecting and projecting the movement of South Texas coastal sand dunes from various remote sensing techniques

## Higher Education and Early Career

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Raj Peeyush

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 1

**Presentations (if applicable) and Session Agenda:**

Nick Schlotterbeck	Failings of Undergraduate Geography Education in the U.S.
Marissa Isaak Wald	Advancing Geography at Community Colleges
Kavanagh Lambert	Higher Education Institutions and Sustainable Development Goals: A Content Analysis of Interviews with Canadian Top Universities'

Gita Bhushal Adhikary	Influence of Field Trips on Adolescent Environmental Stewardship: Examining the Role of the Dominant Social Paradigm
Peeyus raj	Shadow studentification and urban space: A study of coaching led student geographies in Delhi (India).

### CSG-CAGIS Early Career Lecture: Jack Swab on "Queering Geographic Information Practices"

**Type:** Plenary

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Jack Swab,

**Primary Session Chair(s):** Jack Swab

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

#### **Presentations (if applicable) and Session Agenda:**

### AAG Policy and Advocacy Listening Session Federal Funding for Geographic Research

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Thomas Bales,

**Primary Session Chair(s):** Thomas Bales

**Date:** 4/16/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

#### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Thomas Bales

## Honorary Geographer: Nainoa Thompson

**Type:** Plenary

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):** American Association of Geographers

**Date:** 4/16/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 310 (Lili'u Theater), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Other	Nainoa Thompson <i>Polynesian Voyaging Society</i>

## Geography of Religion and Belief Systems Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Geography of Religions and Belief Systems Specialty Group

**Primary Organizer:** Max Samson,

**Primary Session Chair(s):** Max Samson

**Date:** 4/16/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

## Brunn Early Career Lecture in Political Geography

**Type:** Panel

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Meredith DeBoom, University of South Carolina

**Primary Session Chair(s):** Meredith DeBoom *University of South Carolina*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Brunn Early Career Lecture in Political Geography

### Non-Presenting Participants

Role	Participant
Introduction	Meredith DeBoom <i>University of South Carolina</i>
Panelist	Md Azmeary Ferdoush <i>University of Eastern Finland</i>
Other	Kate Coddington <i>University at Albany (SUNY)</i>

## Legal definitions of wine and place, appellations of origin: the American Viticultural Area (AVA)

**Type:** Panel

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group, Legal Geography Specialty Group, Wine - Beer - and Spirits Specialty Group

**Primary Organizer:** John W Nowlin, Arkansas State University

**Primary Session Chair(s):** John W Nowlin *Arkansas State University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 324, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	Colleen C Myles <i>Texas State University</i>
Panelist	Patrick Shabram <i>Front Range Community College</i>
Discussant	John Nowlin <i>Arkansas State University</i>

Panelist	Gregory V Jones <i>Abacela Winery</i>
Panelist	Karen Thornton <i>TTB Regulations and Rulings Division</i>

### Best Practices 3: Teaching Introduction to GIS

**Type:** Panel

**Sponsor Group(s):** Community College Affinity Group, Geography Education Specialty Group

**Primary Organizer:** Caroline McClure, Georgia State University

**Primary Session Chair(s):** Caroline McClure *Georgia State University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

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#### Non-Presenting Participants

Role	Participant
Panelist	Caroline McClure <i>Georgia State University</i>
Panelist	Forrest Bowlick <i>University of Massachusetts - Amherst</i>
Panelist	Tamara Biegas <i>Harford Community College</i>
Panelist	Zebulon Wallace <i>Minot State University</i>

### Revolutionizing Urban Health I: AI Advancements for Healthy Cities

**Type:** Paper

**Sponsor Group(s):** Africa Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Zhaoxi Zhang, Center for Urban Science + Progress, Tandon School of Engineering, New York University

**Primary Session Chair(s):** Zhaoxi Zhang *Center for Urban Science + Progress, Tandon School of Engineering, New York University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Quang Cuong Doan	Examining the non-linear relationships between streetscape characteristics, air quality and pedestrian volume using machine learning techniques
Yoonjung Ahn, <i>University of Kansas</i>	Assessing Urban Heat and Air Pollution with Citywide Monitoring Systems and High-Resolution Environmental Data in Chicago's Metropolitan Areas
Ting Jin	How the built environment affects E-scooter sharing link flows: A machine learning approach
Zhaoxi Zhang	Advancing Urban Health Sensing: Exploring the Future of Sensor-based Assessment to Improve the Environment and Well-being
Pu Jiang	Navigating in a Layered City: Assessing the legibility of Hong Kong's multilevel walking system using machine learning algorithms and imagery
Q&A	

## Mapping and Analyzing Land Use and Land Cover Changes in Brazil

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Antonio Fonseca, Clark University

**Primary Session Chair(s):** Robert Gilmore Pontius Jr *Clark University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Panelist	Thomas Bilintoh <i>Clark University</i>
Panelist	Fernando de Sales <i>San Diego State University</i>
Panelist	Antonio Fonseca <i>Clark University</i>
Panelist	Ana Paula Matos e Silva <i>Federal University of Goiás</i>
Panelist	Robert Gilmore Pontius Jr <i>Clark University</i>

### Critical Blue Geographies of Salmon Production 1: Political Ecologies and Innovation in a Global Value Chain

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Álvaro Román, Universidad de Los Lagos

**Primary Session Chair(s):** Sebastián Baeza-González *Universidad de Concepción*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Arnt Fløysand	Spatial and historical institutional dynamics for sustainable development. The case of Salmon Farming
Jonathan Barton	Sea lice and salmon aquaculture: a parasitical geography of globalised co-evolution, regulation and innovation.
David Aviles	Locating the Spatial Fix in Salmon's Aquaculture Commodity Frontier.
Isabel James	Fishing for Access to the Sea: One win within a long-term struggle in the Ciénaga de Zapata

## GeoAI and Deep Learning Symposium: GeoAI and Social Sensing for Human-Pandemic Dynamics I

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Mingzheng Yang, Texas A&M University

**Primary Session Chair(s):** Mingzheng Yang *Texas A&M University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Binbin Lin, <i>No Affiliation</i>	Understanding Human-COVID-19 Dynamics using Geospatial Big Data: A Systematic Literature Review
Hui Shi	Recognition of daily human mobility motifs in the United States from 2019 to 2022
Jiří Nemeškal	Disruption of long-term commuting development – the impact of Covid-19 on the daily mobility in the Czech Republic
Zhiqiang Feng	Spatiotemporal pattern of COVID-19 mortality and socioeconomic and environmental determinants in England

## Ideational economic geographies III

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Jamie Peck, University of British Columbia

**Primary Session Chair(s):** Rachel Phillips *University of British Columbia*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Chih Yuan Woon	Deglobalization and China's Visions for Reconfiguring Development Space
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Chris Meulbroek, <i>UBC</i>	From 'the farm problem' to agricultural development: Ideational rescaling and the Chicago school of agricultural economics
Yousuf Al-Bulushi, <i>University of California, Irvine</i>	An Intellectual Geography of the Dar es Salaam School
Brandon Hillier, <i>University of British Columbia</i>	The making of an ideational economic geography: "Placing" Japan's economy in the aftermath of American Fordist-Keynesianism (1970s-1990s)

## Symposium on Community Resilience Research: Data-Driven Approaches for Extreme Heat, Health, and Resilience

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Cong Ma, University of South Florida

**Primary Session Chair(s):** Cong Ma *University of South Florida*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Cong Ma	Inequality in Heat Exposure and Adaptation: Evidence from Human Mobility and Cooling Center Use in Florida
Yanfang Su	Spatial accessibility of cooling center to heat-vulnerable populations, Case in City of Charlotte
Sophia Ryan	Place-based differences in the association between temperature exposure and heat related illnesses: A small area distributed lag non-linear approach
Benjamin Dohan	Hot Topic: Inequality and Heat Vulnerability in Puerto Rico
Ebenezer Amankwaa	Classroom temperatures and thermal experiences of school children in urban Ghana

## Geospatial Big Data for Analyzing and Understanding Human Mobility Patterns

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** M. Naser Lessani, Department of Geography, Pennsylvania State University, USA

**Primary Session Chair(s):** M. Naser Lessani *Department of Geography, Pennsylvania State University, USA*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Anuradha Singh	Decarbonization through transportation: emission scenarios for New Jersey state under different policies.
Greg Rybarczyk, <i>University of Michigan-Flint</i>	Navigating the School Journey: Unraveling the Complexities of Children's Walking Behavior in Istanbul
Luyu Liu, <i>The Ohio State University</i>	Assessing evacuation behavior during Hurricane Ian with large-scale GPS data
Kwadwo Gyan	Immigrant Housing and Cultural Practices as a Change Factor in Current Density and Price Distribution of New York.

## Caring with and against Commoning

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Amy Poteete, Concordia University

**Primary Session Chair(s):** Amy Poteete *Concordia University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 10

### Presentations (if applicable) and Session Agenda:

Janet Adomako	"Everybody must eat": Emotional political ecology and commoning practices in Ghana's small-scale mining industry
Holly Worthen	Value production and Commoning in Mexican Women's Coffee Plots

Amy Poteete	Commoning as “Caring With”
Sara Maani, <i>University of Illinois At Chicago</i>	Solidarity with Migrants: Commons, Being- in-Common, and the Collective Labor of Social Reproduction
Jill Blau	Unlearning work, re-learning justice? Care, commoning and new working methods at the intersection of change and perpetuation.

## Islands becoming Archipelagos: Linking Place-Based Indigenous-led Resurgence Projects to Planetary Health

**Type:** Panel

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geographies of Food and Agriculture Specialty Group, Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Heather Castleden, University of Victoria

**Primary Session Chair(s):** Heather Castleden *University of Victoria*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Mary (Tuti) Baker <i>University of Western Washinton</i>
Panelist	Tiara Naputi <i>University of California - Irvine</i>
Panelist	Lisa te Heuheu <i>Community Scholar</i>
Panelist	Melissa (Naatoi'lhkpiakii) Quesnelle <i>Community Scholar</i>

Panelist	Deondre (Niiyokamigaabaw) Smiles <i>University of Victoria</i>
Introduction	Heather Castleden <i>University of Victoria</i>
Discussant	Hokulani Aikau <i>University of Victoria</i>

## Mainstreaming resilience for responses to climate change 4 - Resilience potential

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Development Geographies Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Liang Emlyn Yang, Harvard University, USA; and LMU Munich, Germany

**Primary Session Chair(s):** Liang Emlyn Yang *Harvard University, USA; and LMU Munich, Germany*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317Bhs (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Padmendra Shrestha, <i>University of Arizona</i>	The Adaptation of Hydropower Infrastructure under Climatic Uncertainties in the Himalayas
Anna Erwin	Individual and household-scale adaptation to climate change in the Texas Borderlands
Anna Vaughn	Learning from the past and planning for the future: managing for ecosystem responses to drought and wildfire on the Colorado Plateau
Jola Ajibade	Surviving the heat: Stories of Resilience and Vulnerability from Portland's Cascading and Consecutive Disasters.

## Symposium on Human Dynamics Research: Geosimulations for Addressing Societal Challenges II

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Alison Hepenstall, University of Glasgow, Scotland.

**Primary Session Chair(s):** Suzana Dragicevic *Simon Fraser University*,

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Yenny Cuellar Roncancio	Geosimulation for Urban Wetland Preservation in Latin America
Farzin Lotfi-Jam	Agent-Based Modeling and 3D Visualization for Building Preservation, Deconstruction, and Reuse in Ithaca
Duo Zhang	Multi-Agent Based Modeling of Retail Choices in Montreal: Integrating Offline-to-Online Reinforcement Learning on Synthetic Population
Na Jiang, <i>George Mason University</i>	Populating Digital Twins with Humans: A Framework Utilizing Artificial Agents
Yuan Feng	Engaging Participatory Methods for Agent-Based Modelling of Residential Heat Network Uptake: A Case Study with an Energy Services Co-operative in Brighton and Hove, England, UK

## Geographies of Bureaucracy: On Findings and Field Work

**Type:** Paper

**Sponsor Group(s):** Legal Geography Specialty Group, Political Geography Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Meagan Harden, University of Hawaii at Manoa

**Primary Session Chair(s):** Meagan Harden

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Ben Clifford	Everyday island bureaucracies: spatial planning in the Channel Islands and Isle of Man
Jared Margulies, <i>University of Sheffield</i>	Seeing animals like a state? Divergent forester subjectivities and the managing of human-wildlife conflicts in South India

Aniket Aga	The production of biopolitical governance: Genetically modified crops in India
Brittany Wheeler	No Small Measure of Responsibility: Q Method, Subjectivity, and the Administration of Compensation

## Connecting Planetary Health and Planetary Urbanization: Exploring Synergies, Gaps, and Opportunities to Advance More Equitable Care-Based Responses

**Type:** Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Hillary Birch, Dahdaleh Institute for Global Health Research, York University

**Primary Session Chair(s):** Chiara Camponeschi *York University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 314 (Lāna‘i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	S. Harris Ali <i>York University</i>
Panelist	Creighton Paul Connolly <i>University of Hong Kong</i>
Other	Roger Keil <i>York University</i>
Panelist	Li Zhang <i>Amherst College</i>

## A Conversation About "Ecological States: Politics of Science and Nature in Urbanizing China" | An Author Meets Critics Panel

**Type:** Panel

**Sponsor Group(s):** China Specialty Group, Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Tyler Harlan, Loyola Marymount University

**Primary Session Chair(s):** Tyler Harlan *Loyola Marymount University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Introduction	Tyler Harlan <i>Loyola Marymount University</i>
Panelist	Jesse Rodenbiker <i>Princeton University and Rutgers University</i>
Panelist	Ding Fei <i>Cornell University</i>
Panelist	Gustavo Oliveira <i>Clark University</i>
Discussant	Jessica DiCarlo <i>University of Utah</i>
Panelist	Annah Zhu <i>Wageningen University</i>

## Rethinking China's urban governance IV - Innovation and transformation

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Jiang XU, The Chinese University of Hong Kong

**Primary Session Chair(s):** Julie Miao *University of Melbourne*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Julie Tian Miao	From 'planning-for-growth' to 'planning-for-innovation': a new paradigm in China?
Mengdi Wu	Unpacking Dynamics within the State Apparatus for Technological Catch-up in Urban China: The Case of Biotechnology in Guangzhou
Jie Guo	Experimental state rescaling and goal-oriented governance in China
Jiayao Liu	Failing to change: The transformation of urban entrepreneurialism hindered by land oversupply and decentralised governance in Zhongshan, China
Clansie Xiaoqian Cai	Thinking City through Aesthetic Citizenship: China as Method

## Geographies of Storytelling, Stories and the Storying of Multiple Lifeworlds 1

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural Geography Specialty Group, Film-Making and Screening Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Joseph Palis, University of the Philippines-Diliman

**Primary Session Chair(s):** Mylene Hazel De Guzman *Hallym University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Joseph Palis, <i>University of the Philippines-Diliman</i>	Enlarging small stories in maps: Relationality, landscape, and performativity
Mario Giraldo	Story telling through integrating media and tv production to communicate research in Ocean/land processes
Joanne Nelson, <i>University of British Columbia</i>	Urban Indigenous Muralism: Storytelling and Knowledges

### Non-Presenting Participants

Role	Participant
Discussant	Jesse Swann-Quinn <i>Allegheny College</i>

## Earth Science Opportunities & Resources at NASA

**Type:** Panel

**Sponsor Group(s):** Applied Geography Specialty Group

**Primary Organizer:** Amanda Clayton, NASA DEVELOP

**Primary Session Chair(s):** Lauren Childs-Gleason *NASA*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

NASA Opportunities Summary Presentation
Question & Answer Session

### Non-Presenting Participants

Role	Participant
Panelist	Cyndi Hall <i>NASA Early Career Research Program</i>
Panelist	Amanda Clayton <i>NASA DEVELOP National Program</i>
Panelist	Lauren Childs-Gleason <i>NASA Langley Research Center</i>
Panelist	Laramie Plott <i>NASA DEVELOP National Program</i>

## Hazards Geography & Qualitative Analyses II

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Elyse Zavar, UNT

**Primary Session Chair(s):** Brendan Lavy *TCU*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Mary Nelan	Maui Strong: Material Convergence from a Distance after the Maui Fires
Chelsie McWhorter, <i>University of California Santa Barbara</i>	Mapping the Response: A Survey of Navigation Training Practices Among Firefighters
Emma Galofré García	Economic, Environmental, and Social: Understanding Multifaceted Sense of Place and the Influence of Drought and Water Scarcity in the Western US
Zhe Liu	Analysis of the Impact of severe drought in the upper Yangtze River basin on the hydroelectricity production of the Three Gorges Hydropower Station in 2022
Kelsey Ellis, <i>University of Tennessee</i>	Using mixed methods and strategic collaborations to advance severe weather risk communication

## Geospatial Monitoring of Natural and Managed Ecosystems

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Landscape Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Manan Sarupria, University of Delaware

**Primary Session Chair(s):** Manan Sarupria *University of Delaware*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Matthew Walter, <i>University of Delaware</i>	Equitable Distribution of Tree Cover in the USA Northeast Megalopolis
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Iryna Dronova	The destruction of urban forests in Ukraine: potential social impacts, remote sensing-based monitoring, and considerations for future reconstruction
Crystal Conway	Novel Applications of Remote Sensing and Regression Models: Beyond Swidden Landscapes
Darren Ruddell, <i>University of Southern California</i>	An Investigation of Food Security and Agricultural Production in War-Torn Ukraine Using Remote Sensing Technologies
Henry Apenteng	Mapping Plutonic Rock in a Complex Urban Environment based on Sentinel-2 Imagery: a Comparison of Machine Learning Algorithms

## Political ecologies of sustainability, water governance, and digital environmentalism: Critical scholarship inspired by Karen Bakker

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Alida Cantor, Portland State University

**Primary Session Chair(s):** Alida Cantor *Portland State University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Cynthia Morinville, <i>University of Toronto</i>	Water and Lithium: Governing Intricate Materialities
Dongyang Mi	Unpacking (Un)even Waterscapes: Everyday Geographies of Water Infrastructures, Practices and Governances in Urban Changsha, China
Poonam Argade	Researching with water rights organizers in Mumbai, India
Ming Li Yong	Water security and vulnerability in the Mekong Delta: A hydrosocial approach

Discussant- Alice Cohen

#### Non-Presenting Participants

Role	Participant
Discussant	Alice Cohen

## Geographies of Sea Level Rise

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Shaina Sadai, Union of Concerned Scientists

**Primary Session Chair(s):** Shaina Sadai *Union of Concerned Scientists*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

Zhi Liu	Spatial and social injustice of exposure to sea level rise: Case study of Ningbo, China
Tanya Dreizin	Assessing the Potential for Policy and Planning for Managed Retreat in Waikiki
Jesse Ayivor	Coastal Community Resilience to Climate Change Related Hazards in the Eastern Coast of Ghana
Zoltan Grossman, <i>The Evergreen State College</i>	Tribal Disaster Resilience, Climate Change, and the Move to Higher Ground on the Washington Coast

## Land change and development pathways

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Development Geographies Specialty Group, Human Dimensions of Global Change Specialty Group, Rural Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Garima Jain, Arizona State University

**Primary Session Chair(s):** Garima Jain *Arizona State University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Muhammad Mobeen, <i>Institute of Geography, University of Hamburg</i>	Necessity of livelihood capitals on climate change adaptation in Pakistan's Irrigated Agriculture: Insights from NCA and PLS-SEM Analysis.
Jane Slentz-Kesler	Community Conservation in Madagascar: Working Towards More Effective and Just Forest Management
Wenzheng Li	Can spatial patterns mitigate the urban heat island effect? Evidence from German metropolitan regions

**Non-Presenting Participants**

Role	Participant
Discussant	B L Turner II <i>Arizona State University</i>

**Environmental Change 1: Ancient Maya Landscapes and Environments**

**Type:** Virtual Paper

**Sponsor Group(s):** Paleoenvironmental Change Specialty Group

**Primary Organizer:** Sally Horn, The University of Tennessee

**Primary Session Chair(s):** Samantha Krause *Texas State University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 1

**Presentations (if applicable) and Session Agenda:**

Timothy Beach, <i>University of Texas at Austin</i>	Lidar and Multiproxy Evidence for Four Models of Polycultural Wetland Fields in the Maya Lowlands
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Chris Ploetz	Integrating iPhone Lidar with Airborne Lidar and Multiproxy Evidence to Investigate Wetland-Human Interactions in the periphery of Sierra de Agua, Belize
Sheryl Luzzadder-Beach, <i>University of Texas, Austin</i>	The Paleoecology of Persistence in the Ancient Maya World
Amy Thompson, <i>University of Texas - Austin</i>	Ancient Maya Landscapes, Climate, and Inequality
J. Dennis Baldwin, <i>University of Texas At Austin</i>	Ancient Maya water management system at Rio Azul, Guatemala, revealed through LiDAR analysis and Archaeological Excavation

## Jeanne X. Kasperson Student Paper Award I

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Julia Plass	Exposed and Vulnerable: Causes of (Residential) Immobility in Australia
Tahmina Bintay Younos	Are nurses ready? Bangladeshi nurses' perceived preparedness for disasters: A mixed-methods approach
Mastura Safayet, <i>Texas A&amp;M University</i>	Household food insecurity and food access: The impacts of flooding disruptions to household access to food
Mingda Wu	Bi-RAUnet: A Multiclass Wildfire Burnt Area Assessment Framework using Deep Learning and Sentinel-2 Imagery
Alexandra Casey	Deconstructing Hazard: The Making of Meaning in Oregon's Firescapes

## Plantations past and present: pesticide legacies and afterlives I

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Caitlyn Sears, Indiana University

**Primary Session Chair(s):** Christian Berndt *University of Zurich*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Soledad Castro Vargas, <i>University of Zurich</i>	The making of the Térraba-Sierpe Delta waterscape in Costa Rica: Thinking within and beyond the plantation
Jasnea Sarma	'Opium killed us more than the war': The paradoxical spatialities of plantation substitution from opium to bananas on Myanmar's trans-Asian borderlands.
Caitlyn Sears, <i>Indiana University</i>	Palm Oil and Pesticides: The development of Malaysia's most critical export crop and the agrochemical industry

### Non-Presenting Participants

Role	Participant
Discussant	Becky Mansfield <i>Ohio State University</i>

## The 2024 Distinguished Historical Geographer Lecture - Douglas Herman - From Classroom to Community: Three faces of being a Historical Geographer

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural Geography Specialty Group, Historical Geography Specialty Group, History of Geography Specialty Group

**Primary Organizer:** Mark Rhodes, Michigan Technological University

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Rowena Butland

Matthew Cook

**Non-Presenting Participants**

Role	Participant
Panelist	Douglas Herman <i>Pacific Worlds Institute</i>
Discussant	Matthew Cook <i>Eastern Michigan University</i>
Discussant	Rowena Butland <i>Western Sydney University</i>

**Operationalising access and access-related outcomes**

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Anastasia Soukhov, McMaster University

**Primary Session Chair(s):** Anastasia Soukhov *McMaster University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Benjamin Buettner	Unraveling Proximity-Centered Accessibility: A Global Discourse Among Planning Practitioners
Dasom Han	A study on the impact of Chicago L Train (Elevated Train) accessibility on housing price
Michael Desjardins	Evaluating the Impacts of Geographic Accessibility on Gynecologic Cancer Outcomes in the United States Between 2001-2019

Andrew Schendl	Urban Greenspace Dynamics: Evaluating Usage and Accessibility in UK Cities
Asiya Natekal	Defining and Measuring Walk Accessibility Metric

## Household Water Insecurity Experiences Research Intersections 4: Scales of Governance in North America

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Justin Stoler, University of Miami

**Primary Session Chair(s):** Abigail Sullivan *Boston University*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Md Masudur Rahman	New Mexico Water Security Mapping and Modeling
Dylan Diaz-Infante	Moral economies for water along the U.S.-Mexico border
Vincent Chireh	Examining the equity implications of residential water metering programs: Water managers and policymakers' perspective in British Columbia, Canada.
Abigail Sullivan	Framing uncertainty in water policy discourse: Insights from Arizona's Project ADD Water

## Sustainable Urbanization: Applications, Challenges and Opportunities II

**Type:** Paper

**Sponsor Group(s):** Landscape Specialty Group, Remote Sensing Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Yinyi Lin, The University of Hong Kong

**Primary Session Chair(s):** Yinyi Lin *The University of Hong Kong*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 309, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Gulnara Nabiyeva	How Is SDG 11 (Sustainable Cities and Communities) Linked with Other SDGs? Evidence from the Initial United Nations Good Practices
Zhimeng Jiang	Spatially optimized land use patterns for mitigation of increasing global urban-rural infrastructure inequalities
Meng Cai	Mapping smart cities in the United States
Jinpei Ou	Exploring the effects of socioeconomic factors and urban forms on CO2 emissions in shrinking and growing cities
Oscar Lopez, <i>Arizona State University</i>	An Agricultural Community's Lived Experiences with Rapid Industrialization: Conducting Community Geography in Phoenix, Arizona

**Exploring Findings from NOAA Climate Adaptation Partnerships Program Bi-Partisan Infrastructure Law Investments**

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Zack Thill, University of Washington, Climate Impacts Group, Northwest Climate Resilience Collaborative

**Primary Session Chair(s):** Genie Bey *NOAA Climate Program Office*

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Paleoenvironmental Change Keynote - Dr. Sara Kahanamoku-Meyer

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Paleoenvironmental Change Specialty Group

**Primary Organizer:** Adam Csank,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Sara Kahanamoku-Meyer <i>University of Hawai'i</i>

## River Dynamics: Forms, Processes, and Observations III

**Type:** Virtual Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** chelsy salas,

**Primary Session Chair(s):** chelsy salas

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Mohammad Imran Hasan	Anthropocene Floodplains: Changing Connectivity in Natural Land Cover of the U.S. Gulf and South Atlantic Coast Floodplains
Katharine Wiley	Evaluation of decadal-scale fluxes of sediment from streambank erosion in Illinois
Kei Yamato	Change in Anabranching Prevalence of Midwestern Watersheds from the 1800s to Present
Leo Guerrero	Mercury transport in Amazonian rivers. Case: Madre de Dios River-Perú

Tanya Shukla, <i>University of Illinois</i>	How do floodplain secondary channels differ from the main river channel in terms of morphology, sedimentology, and sediment transport potential?
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## AAG Business Meeting

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):** American Association of Geographers

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Urban Location and GIS

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Qinzi Wang

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Zijian Wan, <i>University of California</i>	The challenge of proximity: Evaluation of map matching results in real road networks
CHIEN-CHOU CHEN	Calibrating population weights in a radiation model: taking Taiwan's telecommunication signal data as an example
Eunhee Kim	Evaluating the Impact of Geology and Housing Characteristics Across Four Seasons on Indoor Radon Concentration Using Three Spatial Regression Models

Qinzi Wang	Urban agglomerations in the middle reaches of the Yangtze River ecosystem services supply-demand assessment from the perspective of the water-energy-food nexus
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## Ecology, Energy Security, and Migration

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Daniel Kissi-Somuah

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Justin Kollar	Towards a geopolitical ecology of semiconductor production: Land and resource dynamics in the U.S. and Taiwan
Nesrine Rouini	Agrivoltaic systems can help achieve food and energy security: How do major food crops acclimate to the shade of solar panels?
Nohely Guzman, <i>University of Texas At Austin</i>	Climatic dissenters in Bolivia: Mesa 18 and the critique of Climate Governance
Daniel Kissi-Somuah	RURAL-URBAN MIGRATION AND THE EXTENT OF URBANIZATION: A CASE STUDY OF RURAL MIGRANTS FROM NORTHERN GHANA TO ACCRA

## Militarism and Geopolitics

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Teng Zhang

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Mehmet Eroglu	"Love Your Neighbor as Yourself": Living Next Door to a US Military Air Base in a Small Turkish Town
Jamey Essex	Diagnosing American decline: The geopolitics of Havana Syndrome
Teng Zhang	Martyrs or Mercenaries? — Motivation of the Military in the Mass Murders, a Multilevel Model

**Climate Governance****Type:** Virtual Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Program Committee,**Primary Session Chair(s):** Julia Smachylo**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 11**Presentations (if applicable) and Session Agenda:**

Snigdha Nautiyal, <i>Arizona State University</i>	Spatial and Material Dimensions of Non-State Actor Representation in the UNFCCC
Chen LUO	Exploring the Relationship Between Companies' ESG Scores and Air Pollution: Evidence from Listed Companies in China
Michael Molloy	Shifting Climate Change Opinions, The Value in Qualitative Research
Camilla Moioli	Regional Forests, Global Climate Goals: Carbon Offsetting Benefits in an Unequal World
Julia Smachylo	Incentivized Landscapes: Spatializing the Fiscal Geographies of Environmental Conservation

## Recreation, Tourism, and Sport Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Jennie Germann Molz,

**Primary Session Chair(s):** Jennie Germann Molz

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## WS1\_4: Imagery is the new "I" in GIS: What That Means for GIS Education

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Non-Presenting Participants

Role	Participant
Instructor	Canserina Kurnia
Instructor	Madeline Wrable

## AAG Policy and Advocacy Listening Session – Redistricting Curriculum and Student Engagement

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Thomas Bales,

**Primary Session Chair(s):** Thomas Bales

**Date:** 4/16/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Thomas Bales

### **Topics in Military Geography**

**Type:** Paper

**Sponsor Group(s):** Military Geography Specialty Group

**Primary Organizer:** Chris Fuhrman, United States Military Academy

**Primary Session Chair(s):** Chris Fuhrman *United States Military Academy*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

Richard Wolfel	Where did you hear that? Narrative Competition and Societal Instability in Burkina Faso.
Francis Galgano, <i>Villanova University</i>	The Environment and Conflict: The 1969 “Football” War
Matthew Hiett	Morphometrics in Urban Landscapes: Deciphering Complexity for Military Operations
Jon Malinowski	Beyond the Gothic in West Point Architecture
Christopher Fuhrman	A Geographic Analysis of the Valley of Tears Battle, Yom Kippur War (1973)

### **Political Geography Plenary: Hi‘ilei Hobart speaks on Indigenous placemaking beyond settler colonial leisure**

**Type:** Plenary

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Filippo Menga, University of Bergamo

**Primary Session Chair(s):** Patricia Ehrkamp *University of Kentucky*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 311 (Kaua`i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Plenary talk

**Non-Presenting Participants**

Role	Participant
Panelist	Hi'ilei Hobart
Discussant	Clare Beer <i>Loyola Marymount University</i>
Discussant	Mary Mostafanezhad
Discussant	Mara Goldman <i>University of Colorado-Boulder</i>

**Critical Blue Geographies of Salmon Production 2: Political Ecologies and Innovation in a Global Value Chain**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jonathan Barton, Pontificia Universidad Católica de Chile

**Primary Session Chair(s):** David Avilés *The University of Sydney*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Álvaro Román	Salmon farming, governance and modernisation in Chile
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Johannes Rehner	China in Chilean salmon farming
Sebastian Baeza-Gonzalez	Unequal geographies of technological change: the structural and relational dimensions of specialization in Chilean salmon farming

## Ideational economic geographies IV

**Type:** Panel

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Jamie Peck, University of British Columbia

**Primary Session Chair(s):** Jamie Peck *University of British Columbia*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Yousuf Al-Bulushi <i>University of California Irvine</i>
Panelist	Trevor Barnes <i>University of British Columbia</i>
Panelist	Han Cheng <i>National University of Singapore</i>
Panelist	Rachel Phillips <i>University of British Columbia</i>
Panelist	Heather Whiteside <i>University of Waterloo</i>

## Hazards Geography & Qualitative Analyses- Virtual

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Brendan Lavy, TCU

**Primary Session Chair(s):** Elyse Zavar *UNT*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

Emi Kingan	Finding Middle Ground or Stuck in the Middle? Confronting Tensions in Flood Mitigation and Managed Retreat Planning
Michelle Ritchie	Utopia or Apocalypse? Visions of the Year 2100 in the Land of Fire and Ice

## Symposium on Community Resilience Research: Big Data Analytics for Climate-Induced Human Mobility and Migration

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Xiang Li, University of South Florida

**Primary Session Chair(s):** Xiang Li *University of South Florida*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jacob Tagnan	An Exploratory Analysis of Vehicle Trajectories and Flow Clustering among Spatial Units: A Case of Hurricane Ian in Calhoun County, Florida
Xiang Li	Unveiling Spatio-Temporal Changes of Human Migration and Networks in Natural Disasters and Climate Change
Guixing Wei	Navigating Mobility Data Landscape in the Post-Pandemic Era
Jinwen Xu, <i>University of South Florida</i>	Analyzing Post-Disaster Migration Patterns from 2005 to 2021 in the CONUS Using PUMS Data

Mitchell Snyder, <i>University of California - Davis</i>	The Missing Middle of Disaster Displacement: Migration, Place attachment and Satisfaction following the 2018 Camp Fire
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## Sustainable Urbanization: Observations, Challenges and Opportunities I

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Landscape Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Yinyi Lin, The University of Hong Kong

**Primary Session Chair(s):** Yinyi Lin *The University of Hong Kong*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Xuecao Li, <i>China Agricultural University</i>	Human footprints in the Global South accelerate biomass carbon loss in ecologically sensitive regions
Chunyang He	Embodied carbon flow in rapidly urbanizing drylands based on the metacoupling framework
Xindan Liang	The Impacts of Coastal Land Subsidence on Relative Sea Level Rise during the Past Three Decades
Yinyi Lin	Urbanization increases compound heat and pollution risks to human health in global cities

## Emergent Transportation Technologies and Methodologies

**Type:** Virtual Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Bradley Lane, University of Kansas

**Primary Session Chair(s):** Bradley Lane *University of Kansas*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 9

**Presentations (if applicable) and Session Agenda:**

Aqshems Meten Nichols	A Tale of Two States: Exploring Accessibility to Community College in California and Texas
Yingrui Zhao	Use explainable machine learning method to explore mobility patterns of different population groups using passively-collected mobile device data
Jinzhe Wang	Use satellite images and Google Street View to analyze changes in urban transportation hubs
Jose Arturo Jasso Chavez	Modifiable Spatio-Temporal Unit Problem (MTSUP) effects on accessibility to supermarkets in Montreal, Canada
Bradley Lane, <i>University of Kansas</i>	Three revolutions at once: Spatial associations of the interaction of evolving technologies in transportation in Greater Kansas City

**Household Water Insecurity Experiences Research Intersections 5: Problems to Policies****Type:** Virtual Paper**Sponsor Group(s):** Water Resources Specialty Group**Primary Organizer:** Justin Stoler, University of Miami**Primary Session Chair(s):** Anna Marin *Texas A&M University***Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Kingsley Kanjin	Assessing Potable Water Access and Its Implications for Households' Livelihoods: The Case of Sibi in the Nkwanta North District, Ghana
Melissa Heil, <i>Illinois State University</i>	Philanthropic Foundations and American Household Water Insecurity: Geographies and Problem Framing
Anna Marin, <i>Texas A&amp;M University</i>	Exposed, surveilled, rejected: Lessons from unhoused residents experiences of WASH insecurity in Seattle WA

Md Hasibul Hasan	Water a Potential Curse or Blessing? Collective Pathways to Address Water conflicts at Local Level
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## Divide and Conquer: Artistic Confrontations with Geographies of U.S. Militarism

**Type:** Virtual Paper

**Sponsor Group(s):** Socialist and Critical Geography Specialty Group

**Primary Organizer:** Aaron Katzeman, University of California, Irvine

**Primary Session Chair(s):** Aaron Katzeman *University of California, Irvine*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Scott Volz	Town Destroyer: G. Peter Jemison's "Hanundagonyus (Two Georges)" and/as Critique of Imperialism
Zoe Weldon-Yochim, <i>University of California, Santa Cruz</i>	Picturing Missiles and Mushroom Clouds: Confronting Militarized Western Shoshone Lands in Jack Malotte's "The End"
Aaron Katzeman, <i>University of California, Irvine</i>	Watery Creation, Oily Desecration: Kanaka Maoli Anti-Imperialism in Tiare Ribeaux's "Pō'ele Wai"
Dalina Perdomo Alvarez	Post-Military Seeing: Puerto Rican Video Art and Land After Vieques
Discussion	

## Esri YPN Presents: Advocating for the Use of Modern GIS in the Workplace

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Logan Stevens, Esri

**Primary Session Chair(s):** Angela Lee *Esri*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Brian Baldwin <i>Esri</i>
Panelist	Karen Dixon <i>Tri-County Regional Planning Commission</i>
Panelist	Mark Adams <i>USDA</i>
Panelist	Narcisa Pricope <i>Mississippi State University</i>

## Revolutionizing Urban Health II: AI Advancements for Healthy Cities

**Type:** Paper

**Sponsor Group(s):** Africa Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Zhaoxi Zhang, Center for Urban Science + Progress Tandon School of Engineering New York University

**Primary Session Chair(s):** Zhaoxi Zhang *Center for Urban Science + Progress Tandon School of Engineering New York University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Haokun Liu	Advancing Urban Health in Evolving Contexts: A review of the Complex Perspectives
Catherine Brinkley	Creating Land-Use Planning Data Infrastructure
Yuye ZHOU	Disentangling the Associations between Socio-Environmental Dynamics and Urban Expressed Sentiment during a Global Pandemic

Amir Masoud Forati, <i>University of Wisconsin - Milwaukee</i>	Using Spatial Social Network Analysis to Study Maternal Health: Trans-County Childbirth, Drivers and Implications
Q&A	

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: CyberGIS and Spatial Decision Support System

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Su Han, Texas State University

**Primary Session Chair(s):** Su Han *Texas State University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

SU HAN, <i>Texas State University</i>	CyberGIS Approach to Exploring Longitudinal Neighborhood Change: A Case Study of Harris County, Houston.
Kanoa Lindiwe	Mapping and Visualizing East Hawai'i Veterans Cemetery No. 1 With Leaflet
Jimin Kim	Construction of CityGML-Based 3D Digital Twin using UAV: A Case Study of Kyung Hee University, Seoul
Sanghoon JI, <i>National Institute of Forest Science, Korea</i>	Assessing Spatial Accessibility in Forest Welfare for Enhanced Quality of Life
Zhenlei Song	Mapping the Unheard: Analyzing Trade-Offs between Fisheries and Offshore Wind Farms Using Multi-Criteria Decision Analysis
Rongjun Qin	Empowering high-temporal 3D elevation data at high-resolution using images from Planet Satellite Constellations

## Urban System Characterization for Sustainable Growth

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Heng Wan, PNNL

**Primary Session Chair(s):** Heng Wan *PNNL*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yichun Xie	Evaluating urban sustainability from underlying causal structures and legacy effects: China's prefecture cities as a Case Study
Jonathan Sullivan	Urban Legend: Disparities in Household Diets and Food Security Along a Rural-Urban Continuum
Jiaxin Zhang	Advancing Integrated Urban Land Use Modelling: A Novel Approach for Parcel-Level Land Availability Mapping in the GTHA
Pranab K. Roy Chowdhury	Modeling future urbanization for coupled human nature systems analysis
Heng Wan, <i>Pacific Northwest National Laboratory</i>	Using interpretable machine learning to identify key patterns underlying home price dynamics

## Author Meets Critics: Elastic Empire: Refashioning War through Aid in Palestine by Lisa Bhungalia

**Type:** Panel

**Sponsor Group(s):** Socialist and Critical Geography Specialty Group

**Primary Organizer:** Emily Mitchell-Eaton, Colgate University

**Primary Session Chair(s):** Emily Mitchell-Eaton *Colgate University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Mark Griffiths <i>Newcastle University</i>
Panelist	Lisa Bhungalia <i>Kent State University</i>
Panelist	Jennifer Greenburg <i>University of Sheffield</i>
Panelist	Patricia Lopez <i>Dartmouth College</i>

## Rethinking China's urban governance V - Financing strategies and land supply

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Fangzhu Zhang, University College London

**Primary Session Chair(s):** Calvin King Lam Chung *The Chinese University of Hong Kong*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Junxi Qian	Learning to be an urban state: Urban development financing and state building in Lhasa, Tibet
Jia LING	Qianhai on the Edge: Land Development Innovation, Financialized Governance and State Entrepreneurialism
Calvin King Lam Chung, <i>The Chinese University of Hong Kong</i>	Financing green projects in China: A research agenda
Jiakai Zhang	How Does Land Use Policy Affect Local Labor Market and Housing Market?

## Remembering Karen Bakker: memorial and celebration of Karen's life and work

**Type:** Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Jessica Dempsey, University of British Columbia

**Primary Session Chair(s):** Leila Harris *University of British Columbia*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Farhana Sultana <i>Syracuse University</i>
Panelist	Leila Harris <i>University of British Columbia</i>
Panelist	Alice Cohen <i>Acadia University</i>
Panelist	Erika Weinthal <i>Duke University</i>
Panelist	Philippe LeBillon <i>University of British Columbia</i>
Discussant	Malini Ranganathan <i>American University</i>
Discussant	Paul Robbins <i>University of Wisconsin-Madison</i>
Discussant	Erik Swyngedouw <i>University of Manchester</i>

## Symposium on Human Dynamics Research: Geosimulations for Addressing Societal Challenges III

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Na (Richard) Jiang,

**Primary Session Chair(s):** Alison Heppenstall *University of Glasgow*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Andrew Crooks	Modeling Covid Vaccination uptake in New York State: An agent-based modeling perspective.
David O'Sullivan	A spatially explicitly agent-based model of on-farm environmental interventions
Suzana Dragicevic	Mitigating imbalanced geospatial data for Deep Learning in geosimulation models
Tianshu Lin	Predict migration decisions in the United States under different climate change scenarios - using a coupled agent-based model
Liliana Perez	Climate Change, Bees and AI: Giving a Voice to the Bees!

## Geographies of Bureaucracy: On Findings and Field Work (2)

**Type:** Paper

**Sponsor Group(s):** Legal Geography Specialty Group, Political Geography Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Meagan Harden,

**Primary Session Chair(s):** Meagan Harden

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jill Williams	Navigating border enforcement bureaucracy: epistemological and methodological approaches
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Neha Kohli, <i>University of Florida</i>	Navigating wait times, absences, and anxieties: embodied research in island territories
Bruce Baigrie	Seeking Bureaucratic Rationality
Jane Beeke	Who's Afraid of Ghosts? Power, Knowledge and Negotiation in the Museum Bureaucracy

## Tourism, resilience and wellbeing 2

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Regina Scheyvens, Massey University

**Primary Session Chair(s):** Apisalome Movono *Massey University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Apisalome Movono	Multi-potentiality and resilience in tourism: drawing inspiration from emergent leadership and an abundance of capabilities in the Pacific.
Sonya Graci	Examining Barriers to Indigenous Women's Entrepreneurship In Tourism In Canada's North
Jacqueline Salmond	After the Storm: Post Disaster Recovery in Tourism Communities
Ignatius Cahyanto, <i>University of Louisiana at Lafayette</i>	Ethnic Minority Women's Empowerment Through Tourism in the Northern Mountainous Region of Vietnam: A Participatory Action Research
Stefania Benetti	Geographies of wellbeing: case studies from Piedmont Region, Italy

## Geographies of Storytelling, Stories and the Storying of Multiple Lifeworlds 2

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural Geography Specialty Group, Film-Making and Screening Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Joseph Palis, University of the Philippines Diliman

**Primary Session Chair(s):** Joseph Palis *University of the Philippines Diliman*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Julie Velasquez Runk	Environmental justice as epistemic justice and Indigenous geography in a Wounaan illustrated storybook
Shorna Allred	Surviving Coal Ash: Community Narratives of Environmental Justice in Alabama's Black Belt
Rowan Goldman, <i>University of Alaska</i>	The Nome Gold Rush: Lessons of the Past and Implications for Contemporary Alaskan Mines

### Non-Presenting Participants

Role	Participant
Discussant	Marcus Renner <i>University of California Davis</i>

## Geographies of Sea Level Rise 2

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group

**Primary Organizer:** Shaina Sadai, Union of Concerned Scientists

**Primary Session Chair(s):** Shaina Sadai *Union of Concerned Scientists*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Sarah Esenther, <i>Earth, Environmental, and Planetary Sciences</i>	Assessment of Regional Climate Model Meltwater Runoff over Two NW Greenland Watersheds
Marissa Williams	Mapping the impacts of sea level rise on the human-wildlife interface on Smith Island
Christopher Alexis	Assessing the relationships among coastal processes, beach and sediment dynamics, and leatherback turtle nesting, at Grande Riviere, Trinidad
Nayre Herrera	From Vulnerability to Equity: Rethinking Sea Level Rise Adaptation in California

## Land Use Optimizing Allocation & Intelligent Decision Making

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Yaolin Liu, Wuhan University

**Primary Session Chair(s):** Yaolin Liu *Wuhan University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 324, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Zhaomin Tong	Incorporating historical information into the multi-type ant colony optimization model to optimize patch-level land use allocation
Haoyu Wang	Land-use optimization based on genetic algorithm: A comparison between NSGA-II and NSGA-III
Li jiaming	Spatiotemporal Evolution Characteristics and Transition Patterns of Cultivated Land Use in China: A Comprehensive Analysis (1949-2022)
Zhenhua Chen	A Methodology Framework for Creating a GIS-based Economic Impact Analysis Tool to Assist with Transportation Infrastructure Investment Decision-Makings

Yu Chen	Simulating Rural-urban Immigration Using Agent Based Modelling from the Perspective of Rural Revitalization
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## U.S. Census Bureau Enterprise Fusion Center (EFC), Economic Development Programs, Opportunity Zones, Population Estimates and How to Access Demographic Data from 2020 Census and American Community Survey (ACS)

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** John Pollicino, US Census Bureau

**Primary Session Chair(s):** John Pollicino *US Census Bureau*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Bryn Johnson	Geographic Approach to Managing the Census Bureau's Enterprise Fusion Center (EFC)
Noemi Mendez, <i>U.S. Census Bureau</i>	Accessing the Latest Census Bureau Data on data.census.gov
Theodore Charm	Economic Development Programs and Socio-economic Outcomes: A Quasi-experimental Approach to the Qualified Opportunity Zones
Lindsay Spell	Primer on Primitives: A brief introduction to primitive geographies and their use in the U.S. Census Bureau's annual population estimates

## Departments in Peril: Tips and Tools for Saving University and College Geography (Session One)

**Type:** Panel

**Sponsor Group(s):** AAG Healthy Departments Committee

**Primary Organizer:** Dave Kaplan, Kent State University

**Primary Session Chair(s):** Dave Kaplan *Kent State University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Discussant	Jon Harbor <i>Purdue University</i>
Discussant	Shannon O'Lear <i>University of Kansas</i>
Discussant	Mike DeVivo <i>Grand Rapids Community College</i>
Discussant	Mandy Munro-Stasiuk <i>Kent State University</i>

**Jeanne X. Kasperson Student Paper Award II**

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Musabber Ali Chisty	Disaster and Human Behavior: A Qualitative Study on Floods and Convergence Behavior
Sumaira Niazi	Environmental Justice and Post-Buyout Land Management
Debayan Mandal	Enhancing Disaster Resilience in the Cyberinfrastructure Era: CyberGIS for Customizable Resilience Measurement and Improvement

Maliha Binte Mohiuddin, <i>YouthMappers</i>	Unveiling challenges in participatory mapping: Power Dynamics, Inequality and Gender Exclusion
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## Making Energy Public(s) 4: Energy Communities, Energy Contestations [Hybrid]

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Madeline Kroot, Clark University

**Primary Session Chair(s):** Madeline Kroot *Clark University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jamie Baxter	Does community-based development predict locals' positivity towards wind energy?
Taylor Braswell	Energy democracy at what scale? The case of community-owned electric utilities in the southeastern United States
Lorena De la Puente Burlando	Speculative extractivism: disputes over lithium mining expansion in Peru and California.

## Swiftie Geographies: Geographic Possibilities from the Eras Tour to Cornelia Street

**Type:** Panel

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Katrina Stack, University of Tennessee, Knoxville

**Primary Session Chair(s):** Kathryn Hannum *Michigan Technological University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	Katrina Stack <i>University of Tennessee, Knoxville</i>
Panelist	Kathryn Hannum <i>Michigan Technological University</i>
Panelist	Kelsey Ellis <i>University of Tennessee, Knoxville</i>
Panelist	Joshua Merced <i>Northern Arizona University</i>
Panelist	Clare Fidler <i>Michigan Technological University</i>

### GeoAI and Deep Learning Symposium: GeoAI Foundation Models

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Song Gao, University of Wisconsin-Madison

**Primary Session Chair(s):** Song Gao *University of Wisconsin-Madison*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Krzysztof Janowicz
May Yuan
Shawn Newsam
Wenwen Li
Gengchen Mai

Q&A

### Non-Presenting Participants

Role	Participant
Panelist	Krzysztof Janowicz <i>University of Vienna &amp; University of California, Santa Barbara</i>
Panelist	May Yuan <i>University of Texas at Dallas</i>
Panelist	Wenwen Li <i>Arizona State University</i>
Panelist	Shawn Newsam <i>University of California, Merced</i>
Panelist	Gengchen Mai <i>University of Georgia</i>

## HRDSG Wildfires

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Ryan G Miller *University of California, Davis*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Tasnim Isaba	Assessing Community Wildfire Protection Plans in the Western US: Land Use Strategies for Wildfire Adaptation
Andre Coleman	Observational Analytics and Modeling Tools for Multi-Phase Wildfire Resiliency
Megan Grim	Environmental Impacts Caused By wildfires in the Northeastern USA

Michaela Buenemann, <i>New Mexico State University</i>	Wildfire-induced landscape and ecosystem service changes in acequia systems of northern New Mexico
Ryan Miller, <i>University of California, Davis</i>	Who We Blame and How We Behave: A Survey of Wildfire-Affected Residents of Paradise, California

## The political economy of Nature (with and) beyond financialization

**Type:** Virtual Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Adriana DiSilvestro, University of Maryland Baltimore County (UMBC)

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 12

### Presentations (if applicable) and Session Agenda:

Gabe Schwartzman, <i>University of Minnesota</i>	Climate Rent, Forests, and the Question of Enclosure in Post-coal Appalachia
W. Nathan Green, <i>National University Of Singapore</i>	Maximizing finance for sustainable development? How green bonds exacerbate deforestation in Cambodia
Adriana DiSilvestro	States of Change: Finance and the Green Transition
Audrey Irvine-Broque	Exporting Extinction: how the international financial system constrains biodiverse futures
Xiwen Zhang, <i>University of California - Davis</i>	The platform marketization of Puer tea and the transformation of the Southwestern frontier

## Plantations past and present: pesticide legacies and afterlives II

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Caitlyn Sears, Indiana University Bloomington

**Primary Session Chair(s):** Caitlyn Sears *Indiana University Bloomington*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Abhigya A	Resocialization of Risk: Everyday Encounters with Pesticides
Jenni Carolina Perdomo Sanchez, <i>University of Montreal</i>	Agrochemicals, hybrids, and women in oil palm plantations in Colombia
Poushali Bhattacharjee	From Rice to Veggies: Gendered Labor Dynamics and Pesticide Use in Bangladesh's Crop Transition
Benjamin Levy	How does monoculture persist through boom and bust? Markets, politics and violence in the plantations of northeastern Colombia (1964-2006)

Landscape Specialty Group Keynote Presentation by Dr. Desiree Valadares, "Unlikely Antiquities: U.S. National Monuments, Public Land, and the Fictions of a Shared National Heritage"

**Type:** Virtual Panel

**Sponsor Group(s):** Landscape Specialty Group

**Primary Organizer:** Meredith Whitten, London School of Economics & Political Science

**Primary Session Chair(s):** Meredith Whitten *London School of Economics & Political Science*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 2

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Discussant	Kate Markham <i>University of Georgia</i>

Discussant	Morgan Vickers <i>University of California at Berkeley</i>
Discussant	Wei Chen <i>The University of Hong Kong</i>
Discussant	Archana Singh <i>University of Delhi</i>

## Justice, Equity, Diversity, and Inclusion at the AAG: An Update on JEDI Strategic Plan Implementation

**Type:** Panel

**Sponsor Group(s):** AAG JEDI Committee

**Primary Organizer:** Caroline Nagel,

**Primary Session Chair(s):** Risha RaQuelle *American Association of Geographers*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Robin Lovell
Panelist	Jennifer Swift
Panelist	Debarchana Ghosh
Panelist	Caroline Nagel
Panelist	Joseph Wood
Panelist	Risha RaQuelle
Panelist	Mia White

Panelist	Meghan Cope
Panelist	Russell Smith

## GeoAI and Deep Learning Symposium: GeoAI and Social Sensing for Human-Pandemic Dynamics II

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Mingzheng Yang, Texas A&M University

**Primary Session Chair(s):** Mingzheng Yang *Texas A&M University*

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jian Xu	Analyzing the COVID - 19 Health Vulnerability and Social and Environmental Determinants of Health (SEDOH) using Big Data Analytics and Health Informatics
Yuemeng Gao	Multi-year Impacts of the COVID-19 Pandemic on Urban Ecosystems: A Case Study in New York City, USA
Pingping Wang	Impact of Summer Temperature on Human Mobility: A Comparative Study Before and During the COVID-19 Pandemic in Major U.S. Metropolitan Areas
Qiwei Song	Disclosing the spatially varying effects of the curbside café design on spatial-temporal bikeshare cycling behavior in Toronto during the Pandemic

## GIS and Health

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Dongeun Kim

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Siyuan Kang	Unraveling Influenza Dynamics Amidst the COVID-19 Pandemic: A Comprehensive Exploration of Transmission Patterns in the United States (2019-2022)
Shiran Zhong	Who Gets the Flu? Individualized Validation of Influenza-like Illness in Urban Spaces
Dongeun Kim	Spatial disparities in access to dialysis facilities in Texas

**GIS, Route, and Location Modeling****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Program Committee,**Primary Session Chair(s):** Suyeon Jeong**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307A, Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Adewole Adeuga	Exploring Crime Patterns in Georgetown, Guyana: Leveraging Spatial Analysis and Machine Learning on Mass Media Data for Comprehensive Insights.
YEIJEE JEONG	Optimal Foot Patrol Route Optimization for Crime Prevention : A Case Study in Gangnam-gu, Seoul
Changho Lee	Effects of Imputing Missing Georeferenced Data in Maximum Covering Location Problem (MCLP) Analysis: Simulation Experiments for Severe Storm Evacuation Scenarios
Yanan Wu	Identify geographical environments influencing emergency response performance
Suyeon Jeong	Vehicle depots location modeling to improve spatial mismatch of the call taxi service dispatch for the disabled

## Agricultural Land use and Management

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sijing Ye

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Ruth Kerry	Spatio-temporal Analysis of Soil Moisture and Turfgrass Health to Investigate the Temporal Stability of Variable Rate Irrigation Zones
Yuxin Pan	What doesn't kill me makes me stronger: The impact of anti-fragility on agricultural production under extreme precipitation in China
Noah Berkowitz	Exploring the Use of High Spatiotemporal Resolution for Enhancing Crop Yield Estimation
Sijing YE	Spatial pattern of cultivated land fragmentation in mainland China: Characteristics, dominant factors, and countermeasures

## Geographies of Young People and Education

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Marianne Mäntyoja

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Melvin Johnson	Where are the college age males?
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Lesli Rawlings	Challenges and Successes Promoting GIS in K-12 Education
Marianne Mäntyoja	Students' experiences of learning on campus, Zoom and VR

## Monitoring environmental Change and Mining Impacts

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Aron Massey

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

xuanda pei	Monitoring Gold Mining Activities in Greater Sunda Island, Indonesia Using Neural Network and Sentinel-2 Imagery
Yalin Yang	Discovering co-location patterns in space using Simulation-tested Spatial Association Mining
Aron Massey	Fighting back by any means necessary: evolving spatialities of Mountaintop Removal Activism in West Virginia.

## Census and Survey

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Victoria Morckel

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Claudia Espinosa	Highlights from the Ethiopian Censuses and Surveys
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Paul Mackun, <i>U.S. Bureau Of the Census</i>	The Availability of Core Based Statistical Areas in Census Bureau Products
William Bredemeyer, <i>U.S. Bureau Of the Census</i>	New Developments in the U.S. Census Bureau's International Database: Population Estimates and Projections of Subnational Administrative Areas
Stephen Wolkwitz	Evaluating Detailed Demographic Data from the 2020 Census in a New York City Context
Victoria Morckel, <i>Michigan State University</i>	Potential operational definitions of a “shrinking city” in the U.S.

### WS1\_5: A tasting with MauiWine: Heritage and creativity in a time of crisis

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Colleen Myles,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 3:00 PM - 5:00 PM **Room:** 323B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### WS1\_6: Taking Flight: Esri Drone Solutions in Education

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Instructor	Canserina Kurnia
Instructor	Madeline Wrable

## Animal Geographies Specialty Group Keynote

**Type:** Plenary

**Sponsor Group(s):** Animal Geography Specialty Group

**Primary Organizer:** Jacquelyn Johnston,

**Primary Session Chair(s):** Jacquelyn Johnston

**Date:** 4/16/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Other	Yamini Narayanan

## AAG 2024 Annual Meeting Opening Reception

**Type:** Networking

**Sponsor Group(s):**

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):**

**Date:** 4/16/2024 **Time:** 4:30 PM - 6:30 PM **Room:** Rooftop Garden, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Researching China post-COVID-19 and in a New Cold War

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Asian Geography Specialty Group, China Specialty Group

**Primary Organizer:** Gustavo Oliveira, Clark University

**Primary Session Chair(s):** Gustavo Oliveira *Clark University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Introduction: Gustavo Oliveira
Panelist: Liu Xiaofeng
Panelist: Tyler Harlan
Panelist: Li Zhang
Panelist: Jun Zhang
Panelist: Elaine Ho
Open Discussion

**Non-Presenting Participants**

Role	Participant
Introduction	Gustavo Oliveira <i>Clark University</i>
Panelist	Xiaofeng Liu <i>National University of Singapore</i>
Panelist	Tyler Harlan <i>Loyola Marymount University</i>
Panelist	Li Zhang <i>Amherst College</i>

Panelist	Jun Zhang <i>University of Toronto</i>
Panelist	Elaine Ho <i>National University of Singapore</i>

## Material Culture and Geography 1: Objects, Markets, and Waste

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Landscape Specialty Group

**Primary Organizer:** Sara Beth Keough, Saginaw Valley State University

**Primary Session Chair(s):** Sara Beth Keough *Saginaw Valley State University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Pallavi Gupta, <i>University of North Carolina - Chapel Hill</i>	Rethinking Objects: Material Culture, Labor, and Waste
Michelle Whitmore	Mobile people and plastics – How Disney addresses plastic waste at its theme parks
Maria Fadiman	Ouch! The shifting role of Opuntia, in the local identity of the Spanish Canary Islands' "Isleños".
ZUYI LYU	Articulating knowledge dynamics with lived material cultures of technology: A case study of the maker movement in Shenzhen, China
Susan Hume, <i>Southern Illinois University Edwardsville</i>	Understanding a South African Curio Market as a Micro-scale Global Market Place

## Water, colonialism, and sovereignty 1

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group, Legal Geography Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Alida Cantor,

**Primary Session Chair(s):** Alida Cantor *Portland State University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Kawelau Wright, <i>University of Hawaii - Manoa</i>	Hawai'i's Territorial Land Laws As A Three-Pronged Spear of White Supremacy, Settlerism, and Native Hawaiian Severance from 'Āina and Wai
Kate Berry, <i>University of Nevada, Reno</i>	Complicating colonialism: Governmentality and water conflict resolution in the Kingdom of Hawai'i during the late 19th century
Chris Knudson, <i>University of Hawai'i at Hilo</i>	Water Sovereignty on Hawai'i Island
Sa'iliemanu Lilomaiaava-Doktor	Samoan Oral Traditions of Tala le Vavau / Stories of Old as a learning tool for understanding place or fanua, and vai or water
Discussant- Aurora Kagawa-Viviani	

**Non-Presenting Participants**

Role	Participant
Discussant	Aurora Kagawa-Viviani <i>University of Hawai'i</i>

## Electoral Geography

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** John Heppen, University of Wisconsin River Falls

**Primary Session Chair(s):** John Heppen *University of Wisconsin River Falls*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Benjamin Forest	Density, partisanship, and polarization: Multi-scale electoral patterns in Canada 2000-2021
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John Heppen, <i>University of Wisconsin, River Falls</i>	Spatial Autocorrelation in recent US Presidential Elections: Comparisons and Contrasts in Red and Blue America at different levels of analysis.
Ryan Weichelt, <i>University of Wisconsin - Eau Claire</i>	Geospatial Solutions to Addressing Anti-Absentee Voting in Native American Communities
Rebecca Theobald, <i>University of Colorado Colorado Springs</i>	Topics Discussed and Ignored during the El Paso County Commissioner Redistricting Process
Shaun Johnson	The Promise of Polling: Joe Biden and the 2024 US Election

## GeoAI and Deep Learning Symposium: GeoAI for Feature Detection and Recognition -- Part I

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Kevin McKeehan, HNTB Co

**Primary Session Chair(s):** Samantha Arundel *U.S. Geological Survey*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

TAO JIANG	Context-Enhanced Small Object Detection through High-Resolution Remote Sensing Imagery
Jung-Kuan Liu	Classification of USGS 3DEP Lidar Point Clouds Using Deep Learning Models
Mashoukur Rahaman	Examining Machine and Deep Learning Techniques to Predict Almond Crop Locations in Central Valley California Using Remote Sensing Technologies
Ziming Li	High-Resolution Urban Land Cover Mapping Using Deep Learning with Noisy Labels

Torit Chakraborty	From Grapes to Pixels : Advanced Deep Learning Techniques in Stellenbosch Vineyard Management
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## Emancipatory housing research I

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Indigenous Peoples Specialty Group, Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Jeff Masuda, University of Victoria

**Primary Session Chair(s):** Audrey Kobayashi *Queen's University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Session Introduction	
Annie Powers	One Paycheck Away: the National Union of the Homeless and Urban Land Struggle, 1964-1993 & beyond
Dylan Pilger	(Re)building a Tenant Movement in Hawai'i
William Sens	The Politics and Poetics of Waiting
Ashley Hernandez	Identities of Dispossession: Immigrant Political Subjectivities at the Intersection of Deportation and Displacement
Synthesis Discussion	

## Vegetal Geographies 1

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Paul Moss, University of Minnesota Department of Geography, Environment & Society

**Primary Session Chair(s):** Paul Moss *University of Minnesota Department of Geography, Environment, & Society*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Colleen Myles, <i>Texas State University</i>	Multi-species entanglements in Texas, the “wild west” of wine
Pedro Pablo Achondo Moya	The creativity of the forest: an affective ecology of the alerce trees in Chile.
Sian Macfarlane	The drowning of a cherry tree in blossom. The House Under the Water, Elan Valley, and the Welsh garden.
Benjamin Tillman, <i>Texas Christian University</i>	Breadfruit use, medicinal and as a foodstuff, by the indigenous Bri Bri and African descended populations of Costa Rica’s Caribbean coast.
Walter Furness, <i>Texas State University</i>	“It would have been easier to start from scratch”: Ruptures in discourses of control in synthetic yeast
Interactive questions/discussion between attendees and the presenters	

## Dendrochronology I: Climate and Forests in western North America

**Type:** Paper

**Sponsor Group(s):** Biogeography Specialty Group, Climate Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Kevin Anchukaitis, University of Arizona

**Primary Session Chair(s):** Kevin Anchukaitis *University of Arizona*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

George Rhee	Broad-Scale Climate Drivers of Jeffrey Pine ( <i>Pinus jeffreyi</i> Balf.) Growth in North Lake Tahoe, Nevada, USA
Kevin Anchukaitis, <i>University of Arizona - Geography &amp; Development</i>	Chronology and climate context for medieval megadrought in the eastern Sierra Nevada
Rosemary Sherriff, <i>Humboldt State University</i>	Influences on conifer drought responses in Northern California

## GeoAI and Deep Learning Symposium: AI for Earth Observation

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Bo Peng, PAII, Ping An U.S. Research Lab

**Primary Session Chair(s):** Bo Peng *PAII, Ping An U.S. Research Lab*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Hamed Alemohammad	Fine-Tuning Foundation Models for Downstream Applications of Remote Sensing Data
Michael Edidem	Geospatial AI Solutions for Locating Drainage Barriers in Elevation-Derived Hydrographic Mapping
Sarah Farhadpour	Key considerations for selecting and interpreting loss and assessment metrics when classes are imbalanced
Rumi Nakagawa	Upscaling Global Hourly GPP with Temporal Fusion Transformer (TFT)
Bo Peng	Multimodal Spatiotemporal Generative Learning for Remote Sensing Image Cloud Removal

## AAG Remote Sensing Specialty Group Student Honors Paper Competition 1

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Zijun Yang, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Dameng Yin *Chinese Academy of Agricultural Sciences*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

HAITAO LYU, <i>University of Texas - Dallas</i>	Advancing Wild deer Monitoring Through Deep Learning-Enhanced Thermal Imaging: A Case Study in Nepal's Chitwan National Park
Jing Ling	Synergizing radar and optical data for accurate urban impervious surface mapping in cloud prone areas
Rowan Converse, <i>University of New Mexico</i>	Automating waterfowl census with UAS, deep learning, and citizen science
Suiyuan Wang	Continuous monitoring of impervious surfaces based on PlanetScope time series
Kai Tang	The ClearSCD model: Comprehensively leveraging semantics and change relationships for semantic change detection in high spatial resolution remote sensing imagery

## Doing Political Ecology: Discussing the Field's Past, Present, and Future

**Type:** Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Kelly Kay, UCLA

**Primary Session Chair(s):** Kelly Kay *UCLA*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 315 (Molokaʻi), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Julie Guthman <i>UC Santa Cruz</i>
Panelist	Leila Harris <i>University of British Columbia</i>
Panelist	Joel Correia <i>Colorado State University</i>
Panelist	Maano Ramutsindela <i>University of Cape Town</i>
Panelist	Marc Tadaki <i>Cawthron Institute</i>
Panelist	Lisa Kelley <i>University of Colorado Denver</i>

### Peter Gould Presentation

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Shamayeta Bhattacharya,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Changda Yu, <i>The Chinese University of Hong Kong</i>	Assessing Momentary Stress Responses to Dynamic Real-time Greenspace Exposure: Unveiling Algorithmic Uncertainty and Temporal Complexity
Weixuan Lyu, <i>University of Connecticut</i>	Beyond Spatial Proximity: Conceptualizing the Perceived Food Activity Space

Weitao Hou	Mapping environmental suitability changes for dengue in Southeast Asia: 1960-2020
Connolly Baxter	Food swamp vs. food desert: Analysis of geographic disparities in obesity and diabetes in North Carolina using GIS and spatial regression

## Policy and Governance Responses to Challenges in Global Migration

**Type:** Paper

**Sponsor Group(s):** Ethnic Geography Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Wan Yu, Binghamton University

**Primary Session Chair(s):** Wan Yu *Binghamton University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Michael Ewers, <i>University of North Carolina - Charlotte</i>	Resilience versus sustainability in migration governance: Debating temporary labor migration programs as tools for climate adaptation
Elizabeth Chacko	Changing sources, changing courses: Shifting migrant flows in the Rio Grande Valley on the US/Mexican Border
Kate Golebiowska	Australian reforms of permanent and temporary migration streams: Responding to shifting global migration landscape and national interests
Wan Yu, <i>Binghamton University</i>	Governing Knowledge Migration: The Role of Nation-State in Narrating and Shaping Transnational Knowledge Exchange Between China and the U.S.
Hiba Sha'ath	Strategic ambiguity as leverage: Examining Tunisia's approach to migration cooperation with the EU

## Cultural Production, Historiography, and Multi-scalar Politics: Transformations of Place-making Practices in East Asia 1

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Shih-yang Kao, Xian Jiaotong-Liverpool University, Urban Planning and Design

**Primary Session Chair(s):** Ying-fen Chen *National Taipei University of Technology*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Shu-Wei Tsai	In Search of Heritage Subjectivity: Multi-scalar cultural politics in the heritagization of the Chia-nan Irrigation System, Taiwan
Xuefeng Wang	Regenerative Place Making in Historical Towns: The case of rural revitalization initiatives in water towns in Suzhou, China
Xiaotong Guo	Ruralising Culture-led Rural Regeneration in China
Shenjing He, <i>The University of Hong Kong</i>	Unpacking the multifaceted rurality of Hong Kong's countryside: A social representation approach
Q&A	

## Historical Geographies of the Marginalized

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural Geography Specialty Group, Historical Geography Specialty Group

**Primary Organizer:** Dan Bonenberger, Eastern Michigan University

**Primary Session Chair(s):** Dan Bonenberger *Eastern Michigan University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Dan Bonenberger	Black & Honolulu Blue: An exploratory geography of racism in United States professional football through graphic ephemera, 1946-1950.
Hazim Abdullah-Smith, <i>University of Maryland, College Park</i>	Mapping Black Geographies for the Public in Northeast Ohio
Rasheed Shabazz	The Mosque and the Block: Race, Geography, and Islam in the Black neighborhood
James Smith, <i>Towson University</i>	Urban capitalist transitions and immigrant labor in nineteenth century Baltimore

## Reframing Positionality in Student Fieldwork : Theory, Methods, and Reflections

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Aaron Williams, University of Calgary

**Primary Session Chair(s):** Aaron Williams *University of Calgary Department of Geography*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Aaron Williams	Re-examining Positionality and Reflexivity in Student Fieldwork Surrounding the Use and Advances in Digital Field Methods and Data Collection.
Alanna Kamp	Decolonizing geography curriculum and the transformative potential of geographical field work for multidisciplinary student cohorts.
Andrea Freeman	Deconstructing Digital and Living Landscapes through an Ecocritical Lens
Paul McDaniel, <i>Kennesaw State University</i>	Enhancing Geographic and Digital Literacy in Study Abroad Experiences through the Integration of Virtual Globes and Geovisual Narratives

#### Non-Presenting Participants

Role	Participant
Discussant	Jonathan Wessell <i>Grand Valley State University</i>

### Creating Planning Data Infrastructure

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Catherine Brinkley, UC-Davis

**Primary Session Chair(s):** Catherine Brinkley

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307B, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Subhashni Raj
Panelist	Sara Bronin

### Heat Resilient Communities & Heat Equity 1

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Morgan Rogers, University of California, Los Angeles

**Primary Session Chair(s):** Shaylynn Trego *Arizona State University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

V. Kelly Turner, <i>University of California Los Angeles</i>	The Heat Exposure Settings Framework for Actionable Science
Gisel Guzman	A Physiological-based Extreme Heat Categorization to Determine Regional Personal Cooling Needs
Megan Heckert, <i>West Chester University</i>	Mapping night-time temperature variations in green stormwater infrastructure
Morgan Rogers, <i>University of California, Los Angeles, Urban Planning</i>	The Shade Imperative: Rethinking California Schoolyard Designs for Extreme Heat
Tyler Pursch, <i>University of Texas - San Antonio</i>	Evaluating the Urban Heat Mitigation Potential of the San Antonio Cool Pavement Pilot

## Virtual Career Mentoring I

**Type:** Virtual Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Kyle DeGraw <i>AED Aero</i>
Discussant	Jennifer Cook <i>Louisiana State University</i>
Discussant	Stephanie Deitrick <i>Arizona State University</i>
Discussant	Shaun Williams <i>Center for Naval Analyses</i>

Discussant	David ArfaCook County, Illinois
Discussant	Liora SaharAmerican Cancer Society
Discussant	Heidi CrawfordU.S. Census Bureau
Discussant	Natasha RiversBECU

## Future directions in behavioral geography I

**Type:** Paper

**Sponsor Group(s):** Environmental Perception and Behavioral Geography Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Kurt Waldman, Cornell University

**Primary Session Chair(s):** Kurt Waldman Cornell University

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Kurt Waldman, Dept of Geography	Misperceptions, mismeasurement, and smallholder farming
Rachel Clarke	Changing Climates, Changing Minds: Social Media's Role in Climate Attitude Shifts
Holly Taylor	Where am I on This Map? Metacognitive Processes in Map Learning
Song GUO	Structural Environmental Perception and Behavior Dynamics in Urban Spaces: A Multi-Layered Network Analysis of Diverse Groups and Spatial Elements

## Economic Geography Specialty Group Early Career Keynote Lecture

**Type:** Virtual Panel

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Emily Rosenman,  
**Primary Session Chair(s):** Emily Rosenman  
**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 13

**Presentations (if applicable) and Session Agenda:**


**Non-Presenting Participants**

Role	Participant
Introduction	Emily Rosenman <i>Pennsylvania State University</i>
Panelist	Priti Narayan <i>University of British Columbia</i>
Panelist	Erin Torkelson <i>University of the Western Cape</i>
Discussant	Vinay Gidwani <i>University of Minnesota</i>

**Environmental Change 2: Trees and Forest History in the Southeastern U.S.**

**Type:** Virtual Paper

**Sponsor Group(s):** Biogeography Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Matthew Kerr, The University of Tennessee

**Primary Session Chair(s):** Matthew Kerr *The University of Tennessee*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

Sally Horn, <i>University Of Tennessee</i>	Records of Holocene Fires and Vegetation from Wetland Sediments in Great Smoky Mountains National Park, Tennessee
Matthew Kerr	Introducing the “Tuskega” Project: Stakeholder-Driven Geographic Investigations at an Antebellum Mansion and Plantation Site in Southeastern Tennessee

Madlen Conley	Evaluating Tree Succession to Inform Conservation Strategies at the McGhee-Carson Site in Vonore, Tennessee
Taraja Oliver	Examining Human-Environment Interactions in the Southeastern United States: A Case Study of Kisatchie National Forest
Q&A Block	

## Narratives of Crisis, Crisis of Narratives: Fact, Fictions, and Futures I

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group

**Primary Organizer:** Abdul Aijaz, University of Kentucky

**Primary Session Chair(s):** Abdul Aijaz *Department of Geography, University of Kentucky*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Botao Zhao	The Flow, Frictions, and Narratives of Goods: Exploring the Social Roles of Commodity Chains in Modernizing Sino-Tibetan Frontier
Mia Dawson, <i>No Affiliation</i>	Abolition and the everyday life of Sacramento's carceral housing crisis
Stentor Danielson, <i>Slippery Rock University</i>	Proving Love for the Future: From Fiction to Reality in the Work of Chuck Tingle
Eva Barr	All Talking Action

### Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Botao Zhao <i>Yale University</i>

## Creative Expression and Geographical Communication

**Type:** Paper

**Sponsor Group(s):** Media and Communication Geography Specialty Group

**Primary Organizer:** Paul Adams, University of Texas at Austin

**Primary Session Chair(s):** Stephanie Zeller *University of Texas at Austin*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Adrienne Johnson, <i>University of San Francisco</i>	Zine-making as experimental pedagogy: Critical insights from teaching political ecology in an undergraduate classroom
Meghan Cope, <i>University of Vermont</i>	Art Works: Building Historical Geographies with Mixed Methods Collaborations
Danielle Adair	Map Apps: Locative Media and Performance
Stephanie Zeller	Aesthetic Theory in Geovisualization: A Theoretical Framework and Practical Application for Predicted Species Range Shifts on the Big Island of Hawai'i
Clancy Wilmott	

## Critical Dialogues of the Post-Covid City: Comparative analyses of London and Toronto

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Michael Short, University College London

**Primary Session Chair(s):** Susannah Bunce *University of Toronto Scarborough*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**


**Non-Presenting Participants**

Role	Participant
Panelist	Alan Walks <i>University of Toronto</i>
Panelist	Susan Moore <i>University College London</i>
Panelist	Nicola Livingstone <i>University of Glasgow</i>
Panelist	Sean Grisdale <i>University of Toronto</i>
Panelist	Pablo Sendra <i>University College London</i>

**Changing Geography of Parks, Forests, and other Protected Areas – Virtual 1**

**Type:** Virtual Paper

**Sponsor Group(s):** Protected Areas Specialty Group

**Primary Organizer:** Terence Young, Cal Poly Pomona

**Primary Session Chair(s):** Xochizeltzin Castaneda-Camacho *CIGA\_UNAM*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 4

**Presentations (if applicable) and Session Agenda:**

Dritan Rustja, <i>University of Shkoder-Albania</i>	The changing geography of protected areas in Albania
Michael Pretes, <i>University of North Alabama</i>	“Lots of animals to see, but that is all”: One-star reviews of national parks and protected areas
Joe Weber, <i>University Of Alabama</i>	Canyon de Chelly National Monument and the Vanishing Navajo Meridian

Loan Phan	Tourism and climate change adaptation from social-ecological systems approach: A comparative study of two Ramsar sites in the Vietnamese Mekong Delta
Diyang Cui	Projected climate zone shifts could undermine the effectiveness of global protected areas for biodiversity conservation by mid-to-late century

## Thriving in an Academic Career 1: Strategies for early career success

**Type:** Paper

**Sponsor Group(s):** Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA), Graduate Student Affinity Group

**Primary Organizer:** Kenneth Foote,

**Primary Session Chair(s):** Kenneth Foote

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Derek Alderman, <i>University of Tennessee</i>	Promoting Your Work: A Professional Responsibility
Shannon O'Lear, Cultivating a collegial department workplace	
Chris McMorran, Using technology to promote critical thinking in the classroom	
Daniel Trudeau, <i>Macalester College</i>	Creating communities of care and caring for community: Building community through work-life integration

### Non-Presenting Participants

Role	Participant
Panelist	Derek Alderman <i>University of Tennessee Knoxville</i>

Panelist	Chris McMorran <i>National University of Singapore</i>
Panelist	Shannon O'Lear <i>University of Kansas</i>
Panelist	Daniel Trudeau <i>Macalester College</i>

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security – GIS, Road and Accessibility

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group

**Primary Organizer:** Kai Cao, East China Normal University

**Primary Session Chair(s):** Kai Cao *East China Normal University*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Lee Whiho	A Study on the Development of Walking Environment Indicators in Residential Areas for the Elderly in Busan through Spatial Analysis
Shannon McCarragher, <i>Southern Illinois University Edwardsville</i>	A Bibliometric Analysis of Urban Greenway Literature: Implications for Interdisciplinary Research on Urban Systems
Wenwu Tang, <i>University of North Carolina at Charlotte</i>	A GPU-based parallel computing approach for all-pair shortest path routing within stochastic road networks
Dapeng Li, <i>University of Alabama</i>	A study on the quality of the road data from OpenStreetMap in the U.S.
Yan Liu	Assessing mental health service accessibility for Indigenous people: the case in South-East Queensland, Australia

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Convergence Curriculum for Geospatial Data Science

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Shaowen Wang, UIUC

**Primary Session Chair(s):** Eric Shook *University of Minnesota*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Song Gao <i>University of Wisconsin-Madison</i>
Panelist	John Wilson <i>University of Southern California</i>
Panelist	Zhe Zhang <i>Texas A&amp;M University</i>

## Spatial Modeling and Deep Learning

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Ryan Solgi

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yidan Wang	A Temporal Attention-based Multi-scale Progressive Network for Filling Gaps in Time Series of MODIS data
Ryo Inoue	Group fused MCP-based heterogeneous region detection in compositional data

Guangxing Wang	Spatial resolution enhancement of Landsat images using a deep residual learning convolutional neural network-based rescaling algorithm
Ryan Solgi	Retrieval of remote sensing data using low rank learning

## Migration & Population Dynamics

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Bismark Owusu Asare	Spatial Distribution of County Age Specific Net Migration in 2010s in the United States.
Edward Jackiewicz, <i>California State University - Northridge</i>	New West/Next West: Lifestyle migration and the quest for idyllic places in Bend Oregon
Peter Rogerson, <i>SUNY - BUFFALO</i>	Measures of Migration Effectiveness and Their Application to the US Migration System
Sang-Il Lee	Measuring the Impact of Internal Migration on Changes in Population Structure
Sechang Kim	Capturing Age Selectivity: A Cross-Classified Multilevel Model of Internal Migration Dynamics

## Geographies of Older People

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Shi Chen

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Po Sheung Yu	Age and Powerlessness: elderly mobility justice in Hong Kong leisure space
Tom Barratt	Using labor geography to understand job quality: how gig work is experienced by Australian rideshare drivers with disability, caring responsibility and older workers
SIQIANG WANG	Beyond usage: community facility planning to promote older people's well-being in urban old district
Shi Chen	Development of a Contextualized Index of Multiple Deprivation (IMD) for Age-friendly Cities: Evidence from Hong Kong

## Exploring the Impacts of Urban Expansion and Shrinkage

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Kangyao Liu

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Abir Chaudhuri	Impacts of urban growth on Key Biodiversity Areas and species habitats in Indonesia
Jianing Sun	Examining niche characteristics in urban shrinking communities from the perspective of space of flows
Hongwei Zhang	Understanding government support for rural development from legal rural construction land expansion: A case study of Hubei Province, China

Kangyao Liu	Indirect impacts of global urban expansion on net primary productivity
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### GFASG Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Kristen Lowitt,

**Primary Session Chair(s):** Kristen Lowitt

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 8

**Presentations (if applicable) and Session Agenda:**

### Caribbean Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Caribbean Specialty Group

**Primary Organizer:** Marion Werner,

**Primary Session Chair(s):** Marion Werner

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### Mountain Geography Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Mountain Geography Specialty Group

**Primary Organizer:** Brandon Vogt,

**Primary Session Chair(s):** Brandon Vogt

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 9

**Presentations (if applicable) and Session Agenda:**

### AAG Stanley Brunn Award Session: Margaret Wickens Pearce

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):** American Association of Geographers

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### WS2\_1: Fostering spatial research and classroom instruction - sharing developments from the USGS

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Milena Janiec, USGS

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 8:00 AM - 11:00 AM **Room:** 323B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### VWS2\_1 Exploring Mental Health and the Academy

**Type:** Virtual Workshop

**Sponsor Group(s):**

**Primary Organizer:** Linda Peake,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 7:20 AM - 10:20 AM **Room:** Virtual 14

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Instructor	Linda Peake
Instructor	Amariah Fischer

### WS1\_1: (continued) Geospatial Cyberinfrastructure Workshop: Building High-Performance, Ethical, and Secured Geospatial Software

**Type:** Workshop

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Zhe Zhang,

**Primary Session Chair(s):** Zhe Zhang

**Date:** 4/17/2024 **Time:** 8:30 AM - 1:30 PM **Room:** 323C, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

### The Unidescription Project: Better Describing Maps for the Visually Impaired

**Type:** Panel

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Jack Swab,

**Primary Session Chair(s):** Jack Swab

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

### Workshop on AAG Grants, Funding, and Research Partnerships – Advancing AAG's Mission Together!

**Type:** Workshop

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):**

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):** Risha RaQuelle *American Association of Geographers*

**Date:** 4/17/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 326B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Mixed Drinks I: Viticulture, Agriculture, Alcohol Culture**

**Type:** Paper

**Sponsor Group(s):** Wine - Beer - and Spirits Specialty Group

**Primary Organizer:** John Nowlin, Arkansas State University

**Primary Session Chair(s):** John Nowlin *Arkansas State University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Katarzyna Leśniewska-Napierała	Viticulture as a direction of agricultural production in Poland
Hannah Herrero	Exploring Land Cover Change in the Cape Winelands: Implications for the South African Wine Industry
Delorean Wiley, <i>Texas State University - San Marcos</i>	Brewing Change: Utilizing Texas craft breweries as catalysts for water stewardship
Nancy Hoalst-Pullen, <i>Kennesaw State University</i>	National Drink, Island Drink, Indigenous Drink: The Geography and Values of Grogue in Cabo Verde
John Nowlin, <i>Arkansas State University</i>	Viticultural suitability in the Southeastern U.S. across a range of Pierce's Disease risk zones

**Author meets critics: Li Zhang's The Origins of COVID-19: China and Global Capitalism**

**Type:** Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** China Specialty Group, Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group

**Primary Organizer:** Li Zhang, Amherst College

**Primary Session Chair(s):** Gustavo Oliveira *Clark University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Introduction
Brian King
Abigail H. Neely
Creighton Connolly
Emily Yeh
Li Zhang
Open Discussion

**Non-Presenting Participants**

Role	Participant
Introduction	Gustavo Oliveira <i>Clark University</i>
Panelist	Brian King <i>Penn State University</i>
Panelist	Abigail Neely <i>Dartmouth College</i>
Panelist	Creighton Connolly <i>University of Hong Kong</i>
Panelist	Emily Yeh <i>University of Colorado, Boulder</i>

Panelist	Li Zhang <i>Amherst College</i>
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## Orbital and off-world geopolitics I (in-person)

**Type:** Paper

**Sponsor Group(s):** Digital Geographies Specialty Group, Political Geography Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Mia Bennett,

**Primary Session Chair(s):** Mia Bennett *University of Washington*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Franklin Ginn	Multiplanetary vegetal futures
Yi-Ting Chang, <i>Oxford University</i>	Satellite manufacturing: Taiwanese engineers' daily struggle for technological autonomy
Diana West	Transcending Disciplinary Boundaries: Towards Gender-Responsive Remote Sensing for Inclusive Climate Action
Chase Womack	Why are Spaceports Abandoned and What Happens to Them?
Discussant: Chih Yuan Woon	

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Development and Application of Spatial Models for Human-Environmental Systems to Address Social and or Environmental Challenges

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Protected Areas Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Joseph Karanja, Arizona State University

**Primary Session Chair(s):** Ziqi Li *Florida State University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Aleksander Berg	Methodological issues for fine-scale and place-based mortality research
Feng Qiu	Analyzing Peatland Disturbances in Alberta: A Comprehensive Mapping Using ABMI Inventories
Lauren Prox	Using spatial-temporal modeling and machine learning to characterize air pollution levels in Ulaanbaatar, Mongolia
Lauren Clay	Disaster-related accessibility to essential services: Testing location assumptions of food and shelter locations
yujian lu	Understanding people's attitude towards historical redlining practice using social media data

**Non-Presenting Participants**

Role	Participant
Introduction	Joseph Karanja <i>Arizona State University</i>

**Invasive Species in Hawai'i****Type:** Paper**Theme:** Recovery and Restoration**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Ryan Perroy, University of Hawai'i at Hilo**Primary Session Chair(s):** Ryan Perroy *University of Hawai'i at Hilo***Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Ryan Perroy	Detecting Rapid Ohia Death in Hawai'i
Olivia Jarvis	Strawberry guava ( <i>Psidium cattleianum</i> ) detection from aerial imagery using convolutional neural networks on Hawai'i Island

Roberto Rodriguez III	Drones to Helicopters: Scaling Artificial Intelligence Based Detectors for Aerial Surveys of Hawai'i's Forests
Brooke Mahnken	Fighting Fire Ants with Birth Control and Helicopters on Maui
Gina McGuire	Fire Risk, Urbanization, & Stewardship Mapping in North Kona & South Kohala, Hawai'i

## Trees in the City 1

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Shawn Landry, University of South Florida

**Primary Session Chair(s):** Shawn Landry *University of South Florida*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Adam Berland, <i>Ball State University</i>	Factors explaining mortality in recently planted trees in Philadelphia
Dexter Locke	Sub-parcel scale analysis is needed to capture social-driven canopy cover change in Baltimore, MD
Qinnan Zhu	Multi-scalar Drivers of Residential Vegetation Changes in Metropolitan Phoenix, Arizona
Ashlynn Fleming	Helpful or harmful? Investigating the equity of changes in Toronto's urban forest
Tenley Conway	Comparing Urban Forest Perceptions in the Montreal, Toronto and Vancouver Regions of Canada

## Social Sensing and Big Data Computing for Disaster Management

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Zhenlong Li, Department of Geography, Pennsylvania State University

**Primary Session Chair(s):** M.Naser Lessani *Department of Geography, Pennsylvania State University, USA*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 10

### Presentations (if applicable) and Session Agenda:

Xin Yan	Blue Carbon policy and implementation effectiveness analysis based on remote sensing techniques
Stephen Yankyera	Global Best Practices in Community-Based Flood Risk Governance: Lessons for Enhancing Flood Governance in Ghana
Zoe Schroder Searcy, <i>Florida State University</i>	Influence of greenhouse gas concentrations on tornado 'outbreak' environments
Duke CC	Optimization of Land Spatial Pattern under the Dual Carbon Background: Taking the Yangtze River Delta Region as an Example

## Dendrochronology II: High Latitude Climate and Ecology

**Type:** Paper

**Sponsor Group(s):** Biogeography Specialty Group, Climate Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Kevin Anchukaitis, University of Arizona

**Primary Session Chair(s):** Kevin Anchukaitis *University of Arizona*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Justin Maxwell, <i>Indiana University</i>	Differences in species-level growth responses to hydroclimate extremes in eastern US forests: Implications for a changing region
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Ethan Cade	Quantifying the Effects of Urban Climate on Radial Tree Growth Rates in Toronto
Samantha Jones, <i>Bemidji State University</i>	White spruce, drought, and spruce budworm: Can density management mitigate growth declines?
Caroline Leland	The Curious Case of 1959: Tree-ring Evidence of an Extreme Cold Event in Northwestern North America
Questions and Discussion	

## AAG Remote Sensing Specialty Group Student Honors Paper Competition 2

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Zijun Yang, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Dameng Yin *Chinese Academy of Agricultural Sciences*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Chen Ruilin	Mapping successional stages of biological soil crusts at 3-m resolution through event-induced spectral response: A case study in the Gurbantunggut Desert, China
Zhijie Zhou, <i>University of Illinois, Urbana-Champaign</i> - <i>Department of Geography &amp; GIS</i>	CropSight: towards a national-scale operational framework for object-based crop type ground truth retrieval using street view and PlanetScope satellite imagery
Ruoyu Yang	Building-Scene Relation Framework for city land-use mapping in High Spatial Resolution Remote Sensing Imagery
Theodros Woldeyohannes	Gone with the fire, known and unknown? Addressing a new public health crisis in the US - leveraging remote sensing tools to monitor waste fires

Lirong Lu	A novel strategy for estimating biomass of submerged aquatic vegetation in lake integrating UAV and Sentinel data
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## Material Culture and Geography 2: Commemoration and History

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Landscape Specialty Group

**Primary Organizer:** Sara Beth Keough, Saginaw Valley State University

**Primary Session Chair(s):** Sara Beth Keough *Saginaw Valley State University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Asma Khanani	Multi-generational Impacts of the Uganda 1972 Expulsion Decree for Asians; reconciliation of material culture and place-making practices for health in new geographies
Qinghua He	The Siting Ideas of Ming and Qing Imperial Tombs in China and its Geographic Measurement Models
Jaeyeon Lee	Ghostly testimonies driven by VR and AI technologies: The Activism of the Heeum Museum of Military Sexual Slavery by Japan in Daegu, South Korea
Joanne Connaughton	The Këgit Totem Pole: Witsuwit'en Story, Surrealist Contradictions and the Colonial Archive
Dawn Morrison	A Cultural Geography of the Department of Veterans Affairs (VA) Built Environment: 1865-1958

## Gender, Place and Culture Annual Jan Monk Distinguished Lecture by Sarah Hunt/Tłaliłila'ogwa

**Type:** Plenary

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Feminist Geographies Specialty Group

**Primary Organizer:** Lena Grip, Karlstad University, Sweden

**Primary Session Chair(s):** Lena Grip *Karlstad University, Sweden*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Lecture

**Non-Presenting Participants**

Role	Participant
Panelist	Sarah Hunt/Tłaliłila'ogwa <i>University of Victoria</i>

**Health & Medical Geography Emerging Scholar**

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Margaret Sugg	Understanding the extreme weather and mental health association among adolescent youth: Insights from a quasi-experimental analyses
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**Pluralising mobile methods in Geography**

**Type:** Panel

**Sponsor Group(s):** Qualitative Research Specialty Group

**Primary Organizer:** Yi Fan Liu, University of Oxford, School of Geography and the Environment

**Primary Session Chair(s):** Yi Fan Liu *University of Oxford, School of Geography and the Environment*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

In this panel discussion, we will be drawing from our own research and discuss the complexities behind doing mobile methods in non-Eurocentric and Anglophone contexts, with the aim to decenter and pluralise current mobile methods scholarship.

In the Q&A section, we welcome audience members who are interested in this topic and/or have also used mobile methods in their research. Possible topics include but not limited to: (1) Tensions and adaptations of doing mobile methods in less researched contexts, (2) Ethics and logistics of doing mobile methods in different places, (3) Socio-temporalities of mobile methods, (4) Negotiating 'messiness' of mobile methods and 'messy' data.

**Non-Presenting Participants**

Role	Participant
Panelist	Sieun Lee <i>University of Oxford, School of Geography and the Environment</i>
Panelist	Zhaoqi Zhou <i>University of Oxford, School of Geography and the Environment</i>
Panelist	Maryam Altaf <i>University of Oxford, School of Geography and the Environment</i>
Panelist	Ho-Yin Chan <i>University of Oxford, School of Geography and the Environment</i>

**The Political Economy of Migration Governance: Extraction, Logistification and Racial Capitalism 2**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Danai Avgeri, University of Cambridge

**Primary Session Chair(s):** Malay Firoz

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Marlene Nava Ramos	The History of New Jersey's Local Jail Expansion into a Regional Immigration Detention Hub
John Nightingale	"Refugee as Cargo": The UK's technocratic and managerial approach to migration.
Shae Frydenlund	Refugee-ness and Exploitation: A feminist geography of shitty jobs
Yu Shi	Governing through aspiration: the migration and unfreedom of Chinese chefs in New Zealand
Claudia Wilopo	Discomfort in Racism and Migration Research: A Methodological Reflection on Conducting Research in Precarious Spaces

## Cultural Production, Historiography, and Multi-scalar Politics: Transformations of Place-making Practices in East Asia 2

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Shih-yang Kao, Xi'an Jiaotong-Liverpool University, Urban Planning and Design

**Primary Session Chair(s):** Shu-wei Tsai *National Sun Yat-Sen University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Hui Wang	Chinese Film Industry and Urban Development in China's Small Cities: Insights from the Leadership Dispute at Pingyao International Film Festival
YING-FEN CHEN	Unfolding the Formation of Dadaocheng's Imaginary through Visualizing the Placemaking Dynamics on Maps
Xiaochang Liao	Appreciating the Purposes and Functions of Street Murals: The New 'Art Lane' in Hong Kong's Sai Ying Pun

Liyang Chen	Place-Making in Rural Sustainable Development: A Scoping Review Across Disciplines
Q&A	

## Heat Resilient Communities & Heat Equity 2

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Shaylynn Trego, Arizona State University

**Primary Session Chair(s):** Morgan Rogers *University of California, Los Angeles*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Melissa McHale	Thermal dynamics as a model for quantifying the complex linkages among urban ecosystem structure, function, and services in semi-arid cities.
Aubrey Benson	Determinants of front yard microclimates in a semi-arid city
Cody Bingham	Thermal Dynamics of Landscapes Along Transit Corridors in Denver, Colorado
Logan Steinharter	Thermal perceptions of transit users in a semi-arid system
Cheng-Chia Wu	Thermal inequality in metropolis: Spatial analysis of urban heat island, urban morphology and social vulnerability in Taipei Metropolis

## Geographical dimensions of the conflict between Israel and Palestine

**Type:** Virtual Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Ethnic Geography Specialty Group, Middle East Specialty Group

**Primary Organizer:** Quentin Stubbs, Texas Southern University

**Primary Session Chair(s):** Quentin Stubbs *Texas Southern University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 11

### Presentations (if applicable) and Session Agenda:

Simona Epasto	Strategic Spaces and the Geopolitics of Warfare: Expanding the Analysis of Military Geography and Conflict Landscapes to Regional Dynamics in the Israel-“Palestine” Context
Quentin Stubbs, <i>Texas Southern University</i>	The Evolution and dynamism of Port cities in and around the Holy Land
Dedication to Ronald Boyce (Founding Member)	
Dedication to Jonathan Lu (Founding Member)	
Discussion of the Forthcoming Geography of the Holy Land: Volume IV	

### Non-Presenting Participants

Role	Participant
Panelist	Quentin Stubbs <i>Texas Southern University</i>

## Career Mentoring II: Private Sector Career Paths

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

## Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Discussant	Kyle DeGraw <i>AED Aero</i>
Discussant	Joseph Kerski <i>Esri</i>
Discussant	Sarah Battersby <i>Esri</i>

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security – Applying geospatial information in occupational and environmental health research

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Wenzhen Li, The Chinese University of Hong Kong

**Primary Session Chair(s):** Lap Ah Tse *The Chinese University of Hong Kong*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

## Presentations (if applicable) and Session Agenda:

Gengze Liao	Cross-validation for the effects of air pollution from residential areas on circadian rhythm and sleep: results from two independent studies in Hong Kong
Wenzhen Li	Association of environmental noise exposure with sleep and circadian rhythm
Xueqiong WENG	Association of residential greenness with incident allergic rhinitis among adults: A prospective analysis of UK Biobank
Xize Wang	The roads one must walk down: Commute and depression for Beijing's residents

Lap Ah TSE	Association of depression with transportation and perceived environmental factors in Hong Kong
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## Emancipatory housing research II: The production of precarity

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Indigenous Peoples Specialty Group, Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Ashley Hernandez, University of North Carolina at Chapel Hill

**Primary Session Chair(s):** Jeff Masuda *University of Victoria*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Session Introduction	
Pamela Stephens	Data-Driven Displaceability: How Housing Trajectories Illuminate the Governance of Housing Insecurity in Los Angeles
Kristy Lovich	Homeless Service Provision: Stolen Time, Stolen Labor and the Commodification of Need
Carla Orendorff	When the State is Your Landlord and the Sidewalk Is Our Home: Organizing for Spatial Justice in Los Angeles
Terra Graziani, <i>CUNY Graduate Center</i>	Policing Tenancy: The Struggle for Housing and Land in Los Angeles
Synthesis Discussion	

### Non-Presenting Participants

Role	Participant
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Role	Participant
Introduction	Audrey Kobayashi <i>Queen's University</i>

## GeoAI and Deep Learning Symposium - GeoAI for Feature Detection and Recognition -- Part II

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Samantha Arundel, U.S. Geological Survey

**Primary Session Chair(s):** Kevin McKeegan *HNTB Corp.*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Hyunho Lee	A Deep Active Learning for Flood Inundation Mapping with Multispectral Satellite Imagery
Guofeng Cao	Geospatial uncertainty modeling in GeoAI
Kevin McKeegan	Using Machine Learning to Predict Wildfire Susceptibility and Spread: A Predictive Model for Resilient Transportation Agencies in the Time of Climate Change
Peaceibisia Jack	Mapping and Analysis of Plastic Debris in a Floodplain Using Machine Learning and Hyper-Resolution Aerial Imagery
Wenwen Li	GeoAI Reproducibility and Replicability: a computational and spatial perspective

## GIScience and Hazards

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Bandana Kar, AAAS STP Fellow @ U.S. Dept. of Energy

**Primary Session Chair(s):** Bandana Kar *AAAS STP Fellow @ U.S. Dept. of Energy*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Sharif Islam	Development of a Socioeconomic Vulnerability Index: Assessing Vulnerability to Drought in Angola
Bandana Kar, <i>Dept. of Energy</i>	Spatiotemporal Variability in Energy Consumption in Relation to Urban Heat Island and Socioeconomic Vulnerability
Edwin Chow, <i>Texas State University</i>	Comparative Analysis of Floodscape among Multi-source Data
Shohei Nagata	Comparison of tsunami exposed populations based on static and dynamic population data
Triet Nguyen, <i>University of Maryland, College Park / U.S. Army Corps of Engineers</i>	Coastal Hazard Analysis and Risk Toolkit (CHART)

## John Odland SAM student paper competition I

**Type:** Paper

**Sponsor Group(s):** Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Hyun Kim, University of Tennessee

**Primary Session Chair(s):** Hyun Kim *University of Tennessee*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Qingqing Chen, <i>University At Buffalo</i>	Mapping the Invisible: Decoding Perceived Urban Smells through Geosocial Media in New York City
Thomas Bilintoh, <i>Clark University</i>	Comparison of Time Series Trajectories at Multiple Spatiotemporal Resolutions: A Case Study of Soybeans in Western Bahia, Brazil

Changmin Im	Methamphetamine spread in the Seoul metropolitan area: Geographical random forest modeling approach
Haoyu Wang	Using Species Distribution Modeling for Geoforensic Analyses

## Economic Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Emily Rosenman,

**Primary Session Chair(s):** Emily Rosenman

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 5

### Presentations (if applicable) and Session Agenda:

Business meeting

## Water, colonialism, and sovereignty 2

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group, Legal Geography Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Alida Cantor,

**Primary Session Chair(s):** Foley Pfalzgraf *University of Hawai'i*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Emma Woodward	Positionality and power-sharing in the promotion of Indigenous water sovereignty
Nairne Cameron	Re-Stitching a Sliced Superior: Reflecting on the Impacts of Settler Colonialism Across the Lake Superior Watershed

Ana Lara Heyns	Caring for Country: law, time and careful practices.
Kikila (Chris) Perrin	The Cosmopolitics of Dispossession and Displacement: Surfing and Environmentalism as everyday acts of Indigenous Erasure on “Vancouver Island”.
Discussant- Niiyokamigaabaw Deondre Smiles	

### Non-Presenting Participants

Role	Participant
Discussant	Deondre Smiles

## Characterizing Urban Human-Environment Interactions across Space and Time using Geospatial Big Data

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Landscape Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Wei Chen, The University of Hong Kong

**Primary Session Chair(s):** Wei Chen *The University of Hong Kong*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yu LIU	A big data approach to assess progress towards Sustainable Development Goals for cities of varying sizes
Jia Hu	A Transferable Local Climate Zone Mapping Framework for Urban Heat Island Studies
Wei Chen, <i>Iowa State University</i>	Large-scale Urban Building Function Mapping Using Multisource Web-based Geospatial Data
Xiaoxin Zhang	Mapping Urban Tree Canopies in China Using Deep Learning and High-Resolution Satellite Imagery

Dhana Bhatta	Grid-level Spatial and Temporal Analysis of Land Surface Temperature and the Effect of Vegetation and Built-up Land: a Case Study of Minnesota, USA between 2013 – 2022
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## Environmental Change 3: Evidence from Lake and Wetland Sediments

**Type:** Virtual Paper

**Sponsor Group(s):** Biogeography Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Sally Horn, The University of Tennessee

**Primary Session Chair(s):** Samantha Krause *Texas State University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Albert Fulton	High-resolution magnetic susceptibility paleorecords of Holocene extreme erosion and precipitation cycles in the lower Great Lakes region, USA from peatland sediments
Samantha Krause, <i>Texas State University - San Marcos</i>	Environmental and hydrological changes in coastal tropical wetlands over the Holocene: a case study from Crooked Tree, Belize
Mason McVey	New Stable Isotope Records from the Valle de las Morrenas, Costa Rica
Jamie Alumbaugh	A 13,000-Year Record of Macroscopic Charcoal and Bulk Stable Isotopes from an Ecuadorian Páramo
Luke Blentlinger	An 1800-year record of hydrology from Great Abaco Island, The Bahamas

### Non-Presenting Participants

Role	Participant
Discussant	Samantha Krause <i>Texas State University</i>

## Narratives of Crisis, Crisis of Narratives: Fact, Fictions, and Futures II

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group

**Primary Organizer:** Abdul Aijaz, University of Kentucky

**Primary Session Chair(s):** Kahina Meziant *City University of New York*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Abdul Aijaz	Fact, Fictions, and Futures: Environmental Change in the Lower Bari Doab Canal Colony
Marcus Renner	Bringing the more-than-human world into the creative placekeeping conversation
Zachary Cudney, <i>University of Washington</i>	The Multiple Deaths of Glaciers: Climatic, Categorical, Metaphoric
Debra M Butler, <i>EPA</i>	Quantum Geography: Space/place futures

## Spatial and spatiotemporal analysis in helping end the HIV epidemic in the U.S.

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Hui Luan, University of Oregon

**Primary Session Chair(s):** Hui (Henry) Luan *University of Oregon*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Susan Cassels	Housing insecurity, place and social networks among sexual minority men in the US
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Bryce Takenaka	The Role of Geographic Proximity on Pre-Exposure Prophylaxis (PrEP) Uptake Among Young Gay, Bisexual, and Other Sexual Minority Men in a Non-Urban United States
Hui Luan	The impacts of social determinants of health on HIV diagnosis vary over race/ethnicity and geography
Yusuf Ransome	The case for considering alcohol sale venues to address PrEP uptake disparities and reduce HIV incidence

### AAG Garrison Award Session

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Candida Mannozi, AAG

**Primary Session Chair(s):** Eric Shook *University of Minnesota*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 1

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Ying Song <i>University of Minnesota</i>
Discussant	Suzana Dragicevic <i>Simon Fraser University</i>

### Changing Geography of Parks, Forests, and other Protected Areas – In Person 1

**Type:** Paper

**Sponsor Group(s):** Historical Geography Specialty Group, Protected Areas Specialty Group

**Primary Organizer:** Terence Young, Cal Poly Pomona

**Primary Session Chair(s):** Terence Young *Cal Poly Pomona*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Seth Kannarr, <i>University of Missouri</i>	Tracking All National Park Service Unit Name Changes Since 1906
Ines Miyares	Pale I Kahi Makamae: Protecting Sacred Spaces on the Island of Hawaii
Yolonda Youngs	Tracing Long Term Environmental Monitoring and Environmental Policy Impacts through Repeat Photography of the Upper Snake River in Grand Teton National Park, Wyoming
Jeffrey Jenkins	Drought-induced salinity influences on water-dependent recreational activities in the Sacramento-San Joaquin River Delta
Amy Frazier, <i>University of California - Santa Barbara</i>	America the Beautiful: Meeting '30x30' conservation goals through connected protected areas

**Promise of Artificial Islands for Atoll Nations: Engineering a New Future to Overcome Climate Change****Type:** Panel**Theme:** Recovery and Restoration**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Mikiyasu Nakayama, Global Infrastructure Fund Research Foundation Japan**Primary Session Chair(s):** Mikiyasu Nakayama *Global Infrastructure Fund Research Foundation Japan***Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303A, Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:****Non-Presenting Participants**

Role	Participant
Panelist	Mikiyasu Nakayama <i>Global Infrastructure Fund Research Foundation Japan</i>
Panelist	Akiko Sakamoto <i>Global Infrastructure Fund Research Foundation Japan</i>

Panelist	Juha Uitto <i>Independent Evaluation Office, Global Environment Facility</i>
Panelist	Miko Maekawa <i>Sasakawa Peace Foundation</i>
Panelist	Michelle Harangody <i>Center for Pacific Islands Studies, University of Hawaii at Manoa</i>

## Becoming a J.E.D.I. Knight: Understanding the Power, Impact, and Responsibility as an Equity Minded Geospatial Professional

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Keith Searles, Urban GIS

**Primary Session Chair(s):** Keith Searles *Urban GIS*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## James Blaut Award for Socialist and Critical Geography

**Type:** Panel

**Sponsor Group(s):** Socialist and Critical Geography Specialty Group

**Primary Organizer:** Peter Hossler, Rhodes College

**Primary Session Chair(s):** James Tyner *Kent State*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 312 (Ni`ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Panelist	Joshua Inwood <i>Penn State</i>

## Strategies for Leading a Harassment-Free Department (Session 1)

**Type:** Panel

**Sponsor Group(s):** AAG Healthy Departments Committee, AAG JEDI Committee, Harassment-Free AAG Task Force

**Primary Organizer:** Saskia van de Gevel, Appalachian State University

**Primary Session Chair(s):** Ken Foote *UNIVERSITY OF CONNECTICUT*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	LaToya Eaves <i>University of Tennessee</i>
Panelist	Jon Harbor <i>Purdue University</i>
Panelist	Susy Ziegler <i>NORTHERN MICHIGAN UNIVERSITY</i>
Panelist	Saskia van de Gevel <i>Appalachian State University</i>

## Interrogating 'New' Geographies of Financial Power 1

**Type:** Panel

**Sponsor Group(s):** Economic Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Ali Bhagat, Simon Fraser University

**Primary Session Chair(s):** Leanne Roderick *Simon Fraser University*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Dariusz Wajcik <i>National University Singapore</i>
Panelist	Ali Bhagat <i>Simon Fraser University</i>
Panelist	Matthew Zook <i>University of Kentucky</i>
Panelist	Leanne Roderick <i>Simon Fraser University</i>

## Geographies of Decarbonization 1: Just Transition, Extractive Industries, and Labor

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group

**Primary Organizer:** Mark Cooper, University of California, Davis

**Primary Session Chair(s):** Mark Cooper *University of California, Davis*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Kopo Oromeng	Decarbonization dilemmas and neoliberal adaptation in a 'minerals-energy complex': A case study of South Africa's platinum mining sector
Chantel Carr, <i>University of Wollongong</i>	Making space for metallurgical coal workers in decarbonisation policy
Megan Egler	Power, narrative, and the worker: Finding meaning in oil and gas labor and the maintenance of extractive subjectivities
Mark Cooper	Incumbency and Just Transition in the Decarbonization of Livestock Agriculture
Nicole Kleinheisterkamp González	German Industrial Unions under a Changing Climate: Preliminary results from a year of fieldwork

## Mapping Justice: Investing in the High School to College Geography Student Pipeline

**Type:** Virtual Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Nick Okafor, trubel&co

**Primary Session Chair(s):** Nick Okafor trubel&co

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

## Critical Urban Geography / Planning

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Balázs Forman

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Maciej Misztal	A socialist city on the way to a walkable city - functional mix as evidence of change on the example of Warsaw
SIHYUN BAN	Urban Design Evaluation from Design Governance Perspective
Balázs Forman, <i>Corvinus University of Budapest</i>	Kecskemét in the competition of European cities
Emily Rhodes	Movement and the Modern Frontier: Discursive and Material Transformations of Oklahoma City Since the 1960s
Guorun Yang	The Tale of Two Cities in One: The Bifurcated Realities of Buffalo

## Spatial Analysis in Urban Environments

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Soheil Boroushaki

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Richard Sadler, <i>Michigan State University</i>	Exploring the Methods for Measuring Structural Racism in the Built Environment (StRaßE)
Andrew Walz	Title: Changes in Census Data Collection Methodology and the Evolving Role of Geographers in the 2020 Round: Lessons Learned in Djibouti, Senegal, and Papua New Guinea
T M Junaid Bashar	AN EXAMINATION OF HOSPITAL ACCESSIBILITY AND ITS RELATIONSHIP WITH SOCIOECONOMIC FACTORS IN CENTRAL TEXAS
Soheil Boroushaki	CRITIC Objective Weights in Spatial Decision-Making

## Remote Sensing in River, Lake, and Ocean Systems

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Elpidio Guzman De La Cruz

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Morgan Metrailler	Investigating Spatial Patterns and Environmental Covariates of Melioidosis Sero-Prevalence in Lai Chau, Vietnam
Matthew McCarthy	Automated Model for Mapping Large-Scale High-Resolution Coastal Bathymetry

Xiao Guo	Remote Estimation of Total Suspended Solids in Texas Bays and Estuaries Using MODIS Images
Elpidio Guzman De La Cruz	Delineating a Stream Network at Gale Crater, Mars, on ArcGIS Pro: A Geographic Information Systems Approach

## Museums and Tourism

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Aggie Weighill

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Han Cheng	Ideational economic geographies
Juliet Johnson	Show Me the Money: Performing Stability in Central Bank Museums
Aggie Weighill	Is a good place to visit really a good place to live?
Janet Gritzner, <i>South Dakota State University</i>	Traveling U.S. Highway 17 through South Carolina and Georgia: Then and Now

## Urban, Regional, and Space Planning

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Olga Shevchenko

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Pawel Churski	The process of development of the internal periphery in Poland in the period of increasing development turbulence - trends and recommendations
Bangyan Gao	The Promotion Mechanism of Creating New Space for Performing Arts in Shanghai under the Background of Urban Renewal
Olga Shevchenko	Short- and long-term regional planning in Ukraine: highlighting socio-economic disparities in regional indices

**Geographies of Sustainability and Renewable Energy****Type:** Virtual Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Program Committee,**Primary Session Chair(s):** Naomi Hanakata**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 12**Presentations (if applicable) and Session Agenda:**

min wang	Ecological Safety Network Construction and Control Strategies in the Yangtze River Economic Belt
Wenliang Li, <i>University of North Carolina - Greensboro</i>	Quantifying the building energy dynamics through integrating an urban building energy model and urban weather generator
Jinho Nam	Movement Analytics for Maritime Transportation Activities and Environment
Mobashsira Tasnim	Redefining marginal lands: An integrated GIS-MCDA and remote sensing approach to identify optimal solar photovoltaic sites within Kansas

## WS2\_3: Spatial Statistics and Machine Learning: Neighborhoods, Hot Spots, and Outliers

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Instructor	Albert Nieto
Instructor	Nick Giner

## Workshop on AAG Grants, Funding, and Research Partnerships – Advancing AAG's Mission Together!

**Type:** Workshop

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):**

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):** Risha RaQuelle *American Association of Geographers*

**Date:** 4/17/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 326B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Tourism Today

**Type:** Virtual Lightning Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Svetlana Stepchenkova,

**Primary Session Chair(s):** Svetlana Stepchenkova *University of Florida*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 8

**Presentations (if applicable) and Session Agenda:**

Tingjun Chen	The Impact of AI-Powered Chatbots on Tourist Experiences: A Customer-Centric Analysis
Yeonseo Jo	Conversing with AI: The Impact of Small Talk on Empathy and Customer Behavior
Darcy Yue Lu	Dining for Transforming Personal Growth: Mindful Dining Experience at Vegetarian Restaurants
Miao Huang	Virtual Travel for Natural Destinations: Perspective of the Broaden and Build Theory on Nature-Based Mindfulness
Zixuan Xu	How Perceived Authenticity of Greenfluencers Impact on the Attitude of Tourists' Pro-Environmental Consumption Behaviors?
Jiaying Liu	Research on the accessibility and equality of blue-green spaces in Dianchi watershed in Kunming
Jeremy Bryson, <i>Weber State University</i>	Planning for environmental crisis: public discourse on the shores of the Great Salt Lake

**Mixed Drinks 2: Crafting Alcohol, Authenticity, Location, and Lore****Type:** Paper**Sponsor Group(s):** Wine - Beer - and Spirits Specialty Group**Primary Organizer:** Mark Patterson, Kennesaw State University**Primary Session Chair(s):** Nancy Hoalst-Pullen *Kennesaw State University***Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Ryo Iizuka, <i>Teikyo University</i>	The development of craft breweries in urban transformation in the Tokyo Metropolis
Richard Deal	Craft Breweries in Eastern and Southern Africa

Kevin Roy	Making the Ontario craft beer market
Craig Talmage	Community Development on Tap: Local Breweries as Creative Community-Centered Spaces and Economic and Social Capital Incubator
Mark Patterson, <i>Kennesaw State University</i>	Closing Time: A Geographical Review of US Brewery Closures 2018-2023

## Hazard-Induced Relocations: State of Research

**Type:** Panel

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Elyse Zavar, UNT

**Primary Session Chair(s):** Elyse Zavar *UNT*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Jola Ajibade <i>Emory</i>
Panelist	Jim Elliott <i>Rice University</i>
Panelist	Alex Greer <i>University at Albany</i>
Panelist	Emi Kingan
Panelist	Annah Piggott-McKellar <i>Queensland University of Technology</i>

Panelist	A.R. Siders <i>University of Delaware</i>
Panelist	Sarah Walker <i>Colorado State</i>

## Planetary future - transformative potential of geographic education

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Leif Mönter, University of Vechta, Germany

**Primary Session Chair(s):** Leif Moenter *University of Vechta*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Fabian Pettig	Exploring livable futures with transformative geography education
Petra Breitenmoser	Challenges of neutrality and controversy: Pre-service primary school teachers' views on teaching climate change
Hannes Schmalor	Geography Students' Attitudes Towards Sustainability as Future Change Agents
Leif Moenter, <i>University of Vechta, Germany</i>	Planetary Health (PH): An effective addition to Education for Sustainable Development in geographic learning settings related to climate change?
Hannah Lathan	Digital and inclusive textbooks for transformative learning – inspirations from the interdisciplinary research project DEM
discussion	

## The new reality in the rural realm: counter-urbanisation, rural gentrification and smartification?

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Ingmar Pastak, University of Tartu, Estonia

**Primary Session Chair(s):** Garri Raagmaa *University of Tartu, Estonia*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Garri Raagmaa	Manors as local rural development drivers
Martin Phillips	Disaster Gentrifications in the British Countryside
Ingmar Pastak	Why smartification discourse fails in rural context? 10 ways how to overcome the rural-urban divide
John Cromartie	Regional and rural-urban differences in migration efficiency before and during the COVID-19 pandemic
Peter Nelson	Temporal shifts in urban-to-rural migration during the COVID-19 pandemic

## UAS for Environmental Applications Poster Session

**Type:** Poster

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Grayson Morgan, Brigham Young University

**Primary Session Chair(s):** Grayson Morgan *Brigham Young University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Devin Jones	Fire Risk Assessment of the Lime Ridge Open Space using UAV
William Lee	Drone Imagery Analysis of Eelgrass in Moss Landing, CA

Niti Mishra, <i>University of Wisconsin-La Crosse</i>	Limitation of Very High Resolution Satellite and drone imagery for detecting coldwater refuges in rivers and streams
Bijaylaxmi Sahoo	Monitoring Roseau cane die-back using drone imageries
Andrew Scholl	Using Drones for High Resolution Mapping of Kent State University Natural Areas
Henri Brillon	Remote Sensing for Home Ignition Zone Assessments
Brenna Fowler	Utilizing ultra-high spatial resolution drone imagery and satellite spectral vegetation indices (SVI) to study Payments for Ecosystem Services (PES) Zones in Chitwan, Nepal
Jonelle Sayama	Geospatial modeling of Guam's mangroves using Unmanned Aerial Systems (UASs)

## Resilience in a Changing Climate: Focus on Asia

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Laurence Delina, The Hong Kong University of Science and Technology

**Primary Session Chair(s):** Laurence Delina *The Hong Kong University of Science and Technology*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Yuling SONG	The Social-Ecological Challenge in the Intertidal Zone of the Western Coast of Taiwan: Spatial Competition between Oyster Aquaculture and Green Energy Policies
Laurence Delina	Are capitals under pressure? The state of and challenges to indigenous rice farming in the cultural ricescapes of Indonesia and the Philippines

Ivee Fuerzas	Need coffee now! Understanding the climate vulnerabilities and adaptive capacities of the Philippine coffee supply chain
EIREKA ORLIDO MEREGILLANO	Stronger Typhoons, Weaker Electricity Systems? A review of the impacts of extreme weather events on coastal communities and strategies for electric system resilience
Xinyi Wang	Energy poverty and vulnerability among older individuals in rural China: A comparative study between northern and central regions

#### Non-Presenting Participants

Role	Participant
Panelist	Laurence Delina <i>The Hong Kong University of Science and Technology</i>
Panelist	Eireka Meregillano <i>The Hong Kong University of Science and Technology</i>
Panelist	Ivee Fuerzas <i>The Hong Kong University of Science and Technology</i>
Panelist	Xinyi Wang <i>The Hong Kong University of Science and Technology</i>

### Embodied Geographies of Fatness and Disability

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Annie Elledge, University of North Carolina at Chapel Hill

**Primary Session Chair(s):** Annie Elledge *University of North Carolina at Chapel Hill*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 9

#### Presentations (if applicable) and Session Agenda:

Meghan Grant	Fatness and The Built Environment Through the Lenses of Health, Race and Class.
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Victoria Empson	Is active travel for everyone? Findings from an ethnographic study of higher weight users of weight-neutral physical activity groups
Annie Elledge, <i>University of North Carolina - Chapel Hill</i>	Where Do I Fit? An Autoethnographic Account of Weight-Inclusive Wellness Spaces
Robert Wilton, <i>McMaster University</i>	Bent boys and curvy girls: Toward a queer geography of Scoliosis
Discussant	

## Contemporary Issues in Ethnic Geography

**Type:** Paper

**Sponsor Group(s):** Ethnic Geography Specialty Group

**Primary Organizer:** Linh Nguyen, Kent State University

**Primary Session Chair(s):** Linh Nguyen *Kent State University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Monika Stodolska	Russian war on Ukraine and the response of Polish host communities to the refugee crisis
Linh Phuc Khanh Nguyen, <i>Kent State University</i>	Place Identity: High-skilled Vietnamese in the US and challenges
Michaela Gawrys, <i>Kent State University</i>	Unilateral Secession and Bottom-up State Development: Citizen perspectives from Kosovo
Dusan Drbohlav	Analysis of social remittances transferred from Czechia to Vietnam
Paul Adams	Navigating Betweenness: Ukrainian Refugee Placemaking and Digital Media

## Orbital and off-world geopolitics II (virtual)

**Type:** Virtual Paper

**Sponsor Group(s):** Digital Geographies Specialty Group, Polar Geography Specialty Group, Political Geography Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Mia Bennett, University of Washington

**Primary Session Chair(s):** Mia Bennett *University of Washington*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

Rob Krawczyk	Revisiting Space in the Tropics, a quarter of a century on
Claire Raulston	Launch Site Politics: A Political Ecology of SpaceX's Starbase
Gemma Milne	A Lack of (Political) Imagination: Prefigurative Politics for New Space
Judith Lange	"Join us on the Road Beyond Horizons": Transforming Commercialized Human Futures in Outer Space
Geoff Manaugh	Law and its Enforcement in Jurisdictions Beyond Earth

## Maritime and Oceanic Geographies I

**Type:** Paper

**Sponsor Group(s):** Coastal and Marine Specialty Group, Economic Geography Specialty Group

**Primary Organizer:** Andrew Warren, University of Wollongong, Australia

**Primary Session Chair(s):** Andrew Warren Warren *University of Wollongong, Australia*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Cheng-Yi Lin	Bringing the Ocean into Urban Regeneration: Exploring Seaport Urban Regeneration in Keelung City through Volumetric Thinking
Natasha Larkin	Renewable energy workers in regional Australia – insights from the Illawarra’s emerging offshore wind industry
Kirsten Martinus	Navigating danger: Knowledge flows across refinery crews and workers
Chris Gibson	Maritime ports and economic geography: charting new research directions for turbulent times
Roundtable discussion	

## Trees in the City 2

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Tenley Conway, University of Toronto, Mississauga

**Primary Session Chair(s):** Tenley Conway *University of Toronto, Mississauga*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

Alexander Martin	Indigeneity in Urban Forestry: Policies, Barriers, and Opportunities
Kaitlyn Pike	What is equitable urban forest governance? A systematic literature review
Amber Grant	Pursuit of environmental justice in urban forest planning and practice
Edith de Guzman	Tree roots to treetops: New research-to-implementation methods to advance urban forest equity

Jessica Quinton	How do policy and resident locational choice shape the connection between urban forestry/greening and gentrification in Canadian cities?
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## Dendrochronology IV - Poster Session

**Type:** Poster

**Sponsor Group(s):** Biogeography Specialty Group, Climate Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Kevin Anchukaitis, University of Arizona

**Primary Session Chair(s):** Kevin Anchukaitis *University of Arizona*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Matthew Bekker, <i>Brigham Young University</i>	Documenting the wood anatomy of Miombo woodland species in northern Zambia
Grant Harley	Summer temperature variability for the Mid-Atlantic-Northeastern regions of the United States since ca. 1450
Monica Rother	Remnant old-growth longleaf pine ( <i>Pinus palustris</i> ) in the Cape Fear Region, North Carolina, USA
Tsun Fung AU	Tree growth responses to concurrent CO <sub>2</sub> fertilization and moisture stress
Jinbao Li	August temperature reconstruction based on tree-ring latewood blue intensity in the southeastern Tibetan Plateau

## Equity, aging, and health across the globe

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Sarah Nelson, University of Nebraska at Omaha

**Primary Session Chair(s):** Sarah Nelson *University of Nebraska at Omaha*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Sarah Nelson, <i>University of Nebraska at Omaha</i>	Evaluating the impacts of age-friendly planning in Nebraska
Joseph Braimah	Enhancing rural older adults' resilience to water insecurity using photovoice
Nuno Costa	How equitable age-friendly cities contributes to a healthy ageing– a look on Portuguese Cities (Portugal)

**Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Opening Keynote**

**Type:** Plenary

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jiannan Cai, The Chinese University of Hong Kong

**Primary Session Chair(s):** Mei-Po Kwan *The Chinese University of Hong Kong*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Mei-Po Kwan, <i>The Chinese University of Hong Kong</i>	Big Data and Geospatial Technologies for Health Research
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**Non-Presenting Participants**

Role	Participant
Panelist	Mei-Po Kwan <i>The Chinese University of Hong Kong</i>
Panelist	Douglas Richardson <i>Harvard University</i>

## Symposium on Human Dynamics Research: the Past 10 Years

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Xinyue Ye, Texas A&M University

**Primary Session Chair(s):** Shih-Lung Shaw

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	James Tyner
Panelist	Kathleen Stewart
Panelist	Ming Tsou
Panelist	May Yuan
Discussant	Harvey Miller

## Heat Resilient Communities & Heat Equity 3

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Morgan Rogers, University of California, Los Angeles

**Primary Session Chair(s):** V. Kelly Turner *University of California, Los Angeles*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317B (Kaho'olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Shaylynn Trego, <i>Arizona State University</i>	Planning to cool America's hottest city: Heat and green infrastructure planning and governance in Phoenix, AZ
Peter Howe, <i>Utah State University</i>	Perceptions of the US public and local policymakers about heat risks and responses
Jack Carroll, <i>Virginia Tech</i>	The Roanoke Method: Community-Engaged, Bottom-Up Heat Resilience Capacity Building
Todd Lookingbill, <i>University of Richmond</i>	A Heat Emergency: Urban Heat Exposure and Access to Refuge in Richmond, VA
Charles Kelly, <i>CJKelly</i>	Taking Heat: A Humanitarian Perspective on Heat Waves

### Emancipatory housing research III: Perspectives on/from the academy

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Indigenous Peoples Specialty Group, Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Audrey Kobayashi, Queen's University

**Primary Session Chair(s):** Ashley Hernandez *UNC Chapel Hill*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

Session Introduction	
Ananya Roy	Research Justice/ Housing Justice: Undercommoning the University
E. Victoria Bomberly	"I've been waiting for someone to ask...": How Canadian universities can improve access to higher learning for Indigenous Learners through housing

Jeff Masuda	Fomenting insurgence? Research in support of autonomous Indigenous-led housing organizing on unceded SMTW lands in Vancouver's Downtown Eastside
Synthesis Discussion	

#### Non-Presenting Participants

Role	Participant
Introduction	Ashley Hernandez <i>UNC Chapel Hill</i>

### Cultural Geography Specialty Group Keynote Speaker - Dr. Clancy Wilmott

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Joshua Merced, Northern Arizona University

**Primary Session Chair(s):** Joshua Merced *Northern Arizona University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

Keynote Speaker
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#### Non-Presenting Participants

Role	Participant
Panelist	Clancy Wilmott <i>University of California, Berkeley</i>

### Material Culture and Geography 3: Spaces, Places, and Sounds

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Landscape Specialty Group

**Primary Organizer:** Sara Beth Keough, Saginaw Valley State University

**Primary Session Chair(s):** Sara Beth Keough *Saginaw Valley State University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Alexandre Pires	Reading the Sunset Strip's landscape : a geographical exploration of the materialization of the culture of sexualization of feminine bodies in Los Angeles's public spaces.
Zia Salim	Collective Memory in Cultural Landscapes: Los Angeles' Kobe Bryant Murals
Hardt Bergmann, <i>New Mexico State University</i>	Representing Organ Mountains-Desert Peaks National Monument: encounters with a U.S. public lands artist-in-residence program
Yanin Kramsky, <i>University of California, Berkeley</i>	"These Are Not Your Typical Batteries": Governing Wildfires Through 'Em-powered' Subjects
AKINOBU MATSUMOTO, <i>Waseda University/ Harvard University</i>	Spatial and Content Analysis of Radio Program Sound Sources in US-Occupied Okinawa

## The Political Economy of Migration Governance: Extraction, Logistification and Racial Capitalism 3

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Danai Avgeri, University of Cambridge

**Primary Session Chair(s):** Danai Avgeri

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Lauren Martin	Cash Flows: Humanitarian Accountability, Logistics and Neoliberal Governance in Refugee Cash and Voucher Assistance
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Malay Firoz	The Neoliberal Refugee: Taxonomies of Value in Resilience Humanitarianism
Julia Morris	Asylum and Extraction in the Republic of Nauru
Ayse Caglar	A long Duree of Extractivism, Confinement, and (im)mobilized Labor in City-making

## John Odland SAM student paper competition II

**Type:** Paper

**Sponsor Group(s):** Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Hyun Kim, University of Tennessee

**Primary Session Chair(s):** Hyun Kim *University of Tennessee*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Mingzheng Yang, <i>No Affiliation</i>	Sleepless Cities under Social Isolation: Geographically and Temporally Revealing Circadian Rhythm Disorders through Social Media
Congcong Miao, <i>University of Connecticut</i>	Assessing network-based traffic crash risk using prospective space-time scan statistic method
Hao Yang	Exploring Human Mobility Patterns: A Novel Approach to Sequential Pattern Mining and Similarity Measurement
Shiyan Zhang, <i>Pennsylvania State University</i>	Reliable Spatial Downscaling of PM2.5 Forecasts of WRF-Chem in Flexible Grids using Deep Learning

## Water, colonialism, and sovereignty 3

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group, Legal Geography Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Alida Cantor,

**Primary Session Chair(s):** Chris Knudson *University of Hawai'i*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Leila Khodabakhsh	Constructing Hydro-Social Territories: Unpacking Scalar Practices in Iran's Zagros Region
Rae Cade	Poor Water Quality Persists in Diverse Urban Communities
Sean Roberts	Weather Modification and Indigenous "Ways of Knowing"
Kate Lewis Hood	(Dis)orientation: responding to Kanaka 'Ōiwi poetic geographies of water from the UK
Discussant- Danielle Perry	

**Non-Presenting Participants**

Role	Participant
Discussant	Denielle Perry <i>Northern Arizona University</i>

**Norbert Psuty Student Paper Award Competition**

**Type:** Virtual Paper

**Sponsor Group(s):** Coastal and Marine Specialty Group

**Primary Organizer:** Quentin Stubbs, Texas Southern University

**Primary Session Chair(s):** Quentin Stubbs *Texas Southern University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

Noelle King	A Blue Economy Agenda for the Eastfjords, Iceland
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Ashley-Lynn Antoine	Using Google Earth to track the transgression of a natural perched beach in Guilford,CT
Madison Heffentrager	Past and Present Site Analysis of the Point Conception Headland Bypass Dune System at the Jack and Laura Dangermond Preserve, CA

### Non-Presenting Participants

Role	Participant
Panelist	Madison Heffentrager <i>UC Santa Barbara</i>
Panelist	Noelle King <i>Southern Connecticut State University</i>
Panelist	Ashley Antoine <i>Southern Connecticut State University</i>
Panelist	Madeline Berger <i>Arizona State University</i>
Panelist	Nayre Herrera <i>California State Polytechnic University, Humboldt</i>

## Geospatial Strategy for Development and Diplomacy

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Patricia Solis, Arizona State University

**Primary Session Chair(s):** Patricia Solis *Arizona State University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:


### Non-Presenting Participants

Role	Participant

Role	Participant
Introduction	Patricia Solis <i>Arizona State University</i>
Panelist	Carrie Stokes <i>USAID Chief Geographer and GeoCenter Director</i>
Panelist	Evelyn Michael <i>USAID GeoCenter Analyst and Coordinator of Geo Community of Practice</i>
Panelist	Lee Schwartz <i>The Geographer and Director, Office of the Geographer and Global Issues, U.S. Department of State</i>

## Early Career Physical Geography Scholars

**Type:** Panel

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Ranbir Kang, Kennesaw State University

**Primary Session Chair(s):** Ranbir Kang *Kennesaw State University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

## Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	Amobichukwu Amanambu <i>The University of Alabama</i>
Panelist	Chelsy Salas <i>University of Illinois</i>
Panelist	Tanya Shukla <i>University of Illinois</i>
Panelist	Jerin Tasnuba <i>University of Missouri</i>

## The Pre-GISP Exam (Opportunity II)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tony Spicci, GISP Certification Institute

**Primary Session Chair(s):** Jochen Albrecht *GISP Certification Institute*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Changing Geography of Parks, Forests, and other Protected Areas – In Person 2

**Type:** Paper

**Sponsor Group(s):** Protected Areas Specialty Group

**Primary Organizer:** Terence Young, Cal Poly Pomona

**Primary Session Chair(s):** Yolonda Youngs *California State University-San Bernardino*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Francis QUAYSON, <i>Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University</i>	Evaluating climate change vulnerability of Keta Lagoon Complex and Muni-Pomadze Ramsar Site using satellite data
DAVID BUNN	On Waterholes and Rewilding: Conservation Management, Land Cover Change, and Emerging Habitat Connectivity in the Greater Kruger National Park Region
Darren Sears	Mapping the Precious and Precarious: The Islands of Lord Howe and Robinson Crusoe in Watercolor
Robin Roth, <i>University of Guelph</i>	Transforming Conservation in Canada: the potential and practice of reconciliation in Parks Canada
Terence Young, <i>California State Polytechnic University-Pomona</i>	Diffusing Conservation to Post-Colonial Africa

## GeoAI and Deep Learning Symposium: GeoAI for Science and the Science of GeoAI

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Wenwen Li,

**Primary Session Chair(s):** Wenwen Li *Arizona State University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Michael Goodchild
Panelist	Alexander Zipf
Panelist	Song Gao
Panelist	Shaowen Wang
Panelist	Samantha Arundel <i>USGS</i>
Panelist	Alberto Nieto <i>Esri</i>

## Strategies for Leading a Harassment-Free Department Workshop (Session 2)

**Type:** Panel

**Sponsor Group(s):** AAG Healthy Departments Committee, AAG JEDI Committee, Harassment-Free AAG Task Force

**Primary Organizer:** Ken Foote, UNIVERSITY OF CONNECTICUT

**Primary Session Chair(s):** Ken Foote *UNIVERSITY OF CONNECTICUT*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Discussant	Jon Harbor <i>Purdue University</i>
Discussant	LaToya Eaves <i>University of Tennessee</i>
Discussant	Susy Ziegler <i>Northern Michigan University</i>
Discussant	Saskia van de Gevel <i>Appalachian State University</i>

### Interrogating 'New' Geographies of Financial Power 2

**Type:** Panel

**Sponsor Group(s):** Economic Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Ali Bhagat, Simon Fraser University

**Primary Session Chair(s):** Ali Bhagat *Simon Fraser University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	Leanne Roderick <i>Simon Fraser University</i>
Panelist	Gordon Kuo Siong Tan <i>Singapore University of Technology and Design</i>
Panelist	Nathan Green <i>National University of Singapore</i>
Panelist	Erin Torkelson <i>University of the Western Cape</i>
Panelist	Albina Gibadullino <i>University of British Columbia</i>

Panelist	Mark Kear <i>University of Arizona</i>
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## Geographies of Decarbonization 2: Just Transition, Extractive Industries, and Labor

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group

**Primary Organizer:** Mark Cooper, University of California, Davis

**Primary Session Chair(s):** Mark Cooper *University of California, Davis*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Naomi Hanakata, <i>National University of Singapore</i>	Productive landscapes in transition. Renewable Energy Expansion in Lombok, Indonesia.
Philippe Le Billon	Green extractivism and the climate crisis
Matthew Libassi, <i>Arizona State University</i>	Indonesian nickel in our mineral-intensive energy future
Samuel Orndorff, <i>San Diego State University</i>	Making the Basin 'Barren': Lithium Mining on Paiute Shoshone Sacred Landscapes of the Sagebrush Steppe
Discussant: Andrea Marston, Rutgers University	

## Rural Geography Poster Session

**Type:** Poster

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Jonathan London, University of California-Davis

**Primary Session Chair(s):** Andrew Husa *University of Nebraska-Lincoln*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

John Bodenman	A Comparative Analysis of Recycling in Rural and Urban Counties in Pennsylvania
Eric Robinson	A Spatial Analysis of Emergency Department Visits for Opioid Overdoses in Rural Maryland
Shu Li	Assessing Electrification trend and urban rural disparities in Africa by using nighttime light
Oriana Ballotta Garman	Cartographic Considerations for Marine Ecosystem Mapping
Lukáš Wittlinger	Management of Habitats with the Occurrence of Geophyte Orchids: Protection and Restoration of Disturbed Sites in Rural Areas of Slovakia

## Narratives of Crisis, Crisis of Narratives: Fact, Fictions, and Futures III

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kahina Meziant,

**Primary Session Chair(s):** Kahina Meziant

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Barbara Quimby, <i>Arizona State University</i>	Climate Change Adaptation in the Pacific- Intergenerational knowledge-sharing and action
Sujoy Subroto, <i>University of Calgary</i>	Justice ignored is Justice denied: An understanding of micro-politics around emerging mangrove governance in the Indian Sundarbans
Jesús Nazario	The CPNAB and Nahuas of the Alto Balsas: An Indigenous Case of Sovereign Environmentality

David Salisbury, <i>University of Richmond</i>	The Amazon Sustainability Knowledge Train: A transboundary and transnational approach to Indigenous resistance to extraction, infrastructure, and the climate crisis in the Amazon borderlands
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## Geospatial Health Research Symposium - Poster session

**Type:** Poster

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Grace McIsaac	Assessing American Community Survey Error Rates in Social Determinant of Health Indices
Gabrielle Husted	Environmental exposures and geo-social determinants of health as they impact development and prevalence of Alzheimer's disease and related dementias (ADRD)
Zheng XIAN	The effects of neighbourhood green spaces on mental health of disadvantaged groups: A systematic review
Bethany Canales	Using small area estimation to evaluate cancer disparities in Wisconsin

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Data-intensive Geospatial Understanding for Sustainability Solutions

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Shaowen Wang, UIUC

**Primary Session Chair(s):** Steven Manson *University of Minnesota*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Nina Lam <i>Louisiana State University</i>
Panelist	Harvey Miller <i>Ohio State University</i>
Panelist	Siqin (Sisi) Wang <i>University of Southern California</i>

**Cultural Production, Historiography, and Multi-scalar Politics: Transformations of Place-making Practices in East Asia 3**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Shihyang Kao, Xi'an Jiaotong-Liverpool University, Urban Planning and Design

**Primary Session Chair(s):** Shih-yang Kao

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Xian ZHI	Beyond Dichotomy: Exploring the Nuanced Dynamics Between Authorized Heritage Discourse and Local Communities
Ronghao Jiang, <i>No Affiliation</i>	Reinterpreting culture-led urban redevelopment in China amidst profound regime changes
YU-JIE HO	Musicking and Place-Making in Post-War Taiwan: A Case Study of Rong-Shing Children's Chorus Group
Chen Chen	The Regeneration of Insta-famous Spaces and Amplified Commercial Gentrification Driven by Geomedia: The Case of Shanghai

Q&A

## Theorizing the Urban Interface: Critical and Comparative Approaches

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Miriam Greenberg, Professor, University of California Santa Cruz

**Primary Session Chair(s):** Miriam Greenberg *Professor of Sociology, University of California, Santa Cruz*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Introduction by Session Chair

Discussant Intervention

Panel discussion

Question and Answer

### Non-Presenting Participants

Role	Participant
Panelist	Alma Esperanza Villa Loma <i>PhD Student, University of California, Santa Cruz</i>
Panelist	Elena Losada <i>PhD Student, University of California Santa Cruz</i>
Panelist	Taylor Braswell <i>Postdoctoral Scholar, University of California Santa Cruz</i>
Discussant	Hillary Angelo

Panelist	Kyle Galindez <i>University of California, Santa Cruz</i>
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## Data Analysis Frameworks and Models

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Yifan Wang

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Wanhee Kim	The Travel Salesman Problem with Spatial Information
Onoriode Samuel Ojarikreh	Applications of Trend-Surface Analysis and Coloring
Elijah Knaap	GeoGraphs: A Computational Framework for Spatial Social Networks
Zekun Li	Automatic Georeferencing for Geologic Maps using Textual Information
Yifan Wang	Vague Place Modeling from an Information Theory Perspective

## Geographies of Movement, Space, and Time

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Aniket Sangwan

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Crystal English, Ph.D.	Spatial and Temporal Assessment of Regional Crime
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James Anderson	Toward a Moving LISA: identifying spatiotemporal contiguity and displacement among clusters in aggregate spatial phenomena.
Kwaku Karikari Manu	Assessing The Role of Motorcycle Transport in the urban life of An African city: The Case of Accra, Ghana
Aniket Sangwan	Rhythm & Time: Combining Rhythmanalysis and Time Geography for a mixed methods approach
Keumseok Peter. Koh	Measuring distance and Uncertain Geographic Morphological Problem: A Study of 3D Spatial Food Accessibility in Hong Kong

## Predicting Health Outcomes

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Abolfazl Mollalo,

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Irenius Konkor, <i>University of Toronto Mississauga</i>	The impact of residential and non-residential environments on non-communicable disease in Ghanaian cities: A gendered lens
Jonathan Comer, <i>Oklahoma State University</i>	Investigating Health Outcomes and Health Factors
Abolfazl Mollalo	Spatial Modeling of HPV Vaccination Among Children in North Carolina

## Human Geography

**Type:** Guided Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Epifania Petelo

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Christine Jocoy	Evaluating a Climate Urbanism Typology: Policy Networks in Case Study Cities
Benjamin Ofori-Amoah	Second Cities of the United States Midwest
Weizhi Li	Assessing a New Build-up Index for Urban Area Extraction: A Case Study in Cordoba, Argentina
Lindsey Rex	Exploring Geographic Vulnerabilities in Hawaii: The Impact of Tsunami's on the Island of O'ahu
Michala Lustigova	Economic consequences of COVID-19 pandemic in Europe on social inequalities
Jennifer Hathaway	"Queering Denver": Crowdsourcing safe spaces for the LGBTQ community
Tracy Edwards, <i>Frostburg State University</i>	Reaching through the Silence: Pathways for Enhancing Communication in Introductory Geography and Sustainability Courses
Fangzhou Xia	The impact of the opening of Gated communities on transportation and traffic carbon emission
Epifania Petelo	Language Data in the US Census: Territories (American Samoa, Northern Mariana Islands, and Guam) v. States (Hawai'i)

## Human and Environment Geographies

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Stephen Stack

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Sarahana Shrestha	Recycling Solar Panels for a Circular Economy
Connor Flynn	Clustering United Nations Member States based on Sustainable Development Goal (SDG) Data
Tomasz Napierala	Geographical perspective of landscape perception: Between physical and virtual place attachment
Naoya Morishita	Modeling spatial relationships between risk of human- bear interactions and forest horizontal structure
Masaki Hara	Investigating the influence of Ecoregion and Land Use and Land Cover Changes on Fish Species in Southern Minnesota
Christine Garza	Using Herbivores as Biomonitors of Heavy Metals near Superfund sites in Denver, CO.
Jorge Esparza	The role of movement hypotheses in predicting human-elephant conflicts in Sri Lanka
Dallen Ouellette	Community Farming and Land Acquisition
Weilun Tay	Land Change Dynamics and Food Security in Jakarta: A Bibliometric Analysis and Remote Sensing Approach to Disentangling the Cycle of Agricultural Abandonment, Urbanization, and Deforestation
Kofi Owusu-Ansah	Sustainable Development: Implications for Urban Employment in Emerging Global Cities, A Case Study of Accra, Ghana.
Mia Avera	Land Back: The Struggle of Virginia's Indigenous Peoples to Regain their Homelands
Charlie Fisher	Contact to Climate Crisis: A Historical Geography of the Indigenous homelands of what is now Virginia

Dennis Edgell, <i>UNC Pembroke</i>	Cultural Identity, Symbolization, and Landscape: The Use of Minor League Baseball Logos in Geographic Education
Steven Schnell	Place as Palimpsest: Building Deep Maps in Comics and Graphic Novels
JIHO JUNG	Blue Carbon Policy Direction in South Korea
Alexandra Lister, <i>Pennsylvania State University</i>	Understanding gendered experiences of ecological loss in Bocas del Toro, Panama
Ola Johansson, <i>University of Pittsburgh</i>	Community-driven, Spatially Sensitive Air Quality Monitoring in a Topographically Segregated City
Molly Hoffman	Reasserting Indigenous Presence in a U.S. National Park: The Role of Yellowstone Bison
Reid Endress	Revitalizing traditional marine fishery practices in Palau – Indigenous fish weirs, management, and advocacy.
Carl de Joya	Community Formation and Resistance in Sacramento's Filipino Ethnoburb
Carol Samuelson	Reconstructing LaGrange: Integrating Historical Data, Field Survey Techniques, and Structure from Motion for 3D Modeling of a Civil War-era Heritage Site
Randall Wilson, <i>Gettysburg College</i>	National Parks and Wolf Restoration: A Comparative Study of the United States and France
Samhitha Marepally	The Affect on Graves in Saxis, Virginia due to Rising Sea levels
Nina Adjanin	Indigenous Female Mountain Guides and the Challenge of Climate Change in Bolivia
Amelia Wyckoff	Whose Waste?
Kylie Wolfe	Rising Sea Levels Affecting Graves in Saxis, Virginia

Izzy Fraser-Milewsky	An In-Depth Qualitative Analysis of Perceptions of Air Quality and Energy Poverty in the Fairbanks North Star Borough
Connor Putnam	Comparing the Frequency and Distribution of Hydraulic Fracturing Sites in Ohio to Related State Legislation
Stephen Stack	Just transitions: defining and measuring the conditions for equitable clean energy transitions
Rob Edsall, <i>Idaho National Laboratory</i>	Leveraging confidence metrics for critical infrastructure risk analysis: decision support and the communication of uncertainty
Joshua Conver	Modernizing Archaeological Survey Data and Collections for the Next Generation of Research and Land Management
chan woong Kim	Analysis of Blue Carbon Applications in Korea: Focusing on Legal Perspectives
Johnathan Sugg, <i>Appalachian State University</i>	Exploring Second-Order Climate Change Beliefs with Interactive Maps: Insights from a Small Student Sample
Annabelle Law	Revitalizing Cultural Fire in 21st Century California
Jessica Striley	Fine-scale land cover analysis of Luwire Wildlife Conservancy in Niassa Special Reserve, Mozambique for community-based conservation applications
Thelma Abu	The Evolution of Ghana's WASH Sector, What Next?
XIANGWEN DENG	The Role of Deployment of Utility-Scale Photovoltaics on Mesoscale Climate Dynamics, and Cooling Energy Demand in Arizona.

## Human Geographies 1

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Chul Sue Hwang, <i>Kyung Hee University</i>	Utilization of the Republic of Korea National Atlas as a Geographical Knowledge Hub
Ariana Hemphill	Exploring the correlation between temperature, geography, and crime in Minneapolis, Minnesota in the context of global climate change.
Elden Hubisz	"The Importance of Transparency in Municipal Governance"; A case study of North Shore MA
Yubin Lee	Spatiotemporal Disparities in Healthcare Accessibility
Christian Wittlich	Planetary Health (PH) as transformative education in geographical in teaching-learning-settings?
Emily Brennan	Obesity, Nutrition, Physical Activity, and Neighborhood Environments in the City of Corpus Christi, TX
SHANG-YU TSAI	In the Transition to Net Zero, Overlooked Geographic Spaces
Abner Hardy	Non-Chinese Hong Kongers and their Spatial Distribution
Chen Kunlun	Research on Urban Outdoor Leisure Behavior Characteristics based on Trajectory Data
Richard Melgoza Jr	Geographic Origins and Changes Over Time of Talented Professional Baseball Players
Kalyn Rossiter, <i>Ohio Northern University</i>	Communities of Interest in Redistricting: Who are we splitting up?

Alex George	Road Rationality: A Critical Exploration of the Ideology Driving the I-35 Expansion Through Austin
Michael Applegarth, <i>Shippensburg University</i>	An example of geographic techniques instruction
Keeley Heise	Exploring Ways to Improve Accessibility of Online Geography Classes for the Visually Impaired
Yi-Hwa Wu	The evolution of curriculum around the research component requirement in an online MS-GIS program
Ming-chih Hung	The student retention rate in an online graduate program: A case study from an online MS-GIS program
Micheal Jerowsky, <i>University of British Columbia</i>	Comparing the Use of Virtual, Augmented, and Outdoor Field Trips in the Environmental Education of Children
Courtney Hrubik	Environment and Diet: An Examination of the Connection
Igor Vojnovic	Grocery Shopping Behavior in Detroit Neighborhoods Experiencing Decline: An Empirically Grounded Agent-Based Model of Data-Scarce Communities
Sean Young, <i>University of Arkansas for Medical Sciences</i>	Where Can You Go in San Francisco? Evaluating 311 Reports of Human/Animal Waste and the Pit Stop Program
Sarah Snow	Suitability Analysis of Warehouse Occupancy in Berks County, Pennsylvania

## Human Geographies 2

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kai Lepley	A Multiscale Analysis of At-Scale Agrivoltaic Crop Production at Jack's Solar Garden
Amariah Fischer	Imprinted in the mind and on the landscape: A participatory approach to understanding regenerative agriculture adoption
Umme Kulsum	Exploring Human-Rhino Conflict Using UAV Thermal Imagery
Matteo Gonzalez, <i>University of Richmond</i>	Assessing ChatGPT and LLMs for GIS Education and Assignment Creation
Gyoungju Lee	Developing spatial analysis indicators for monitoring the local small business market area based on the conceptual extension of shift-share model : An empirical study of using credit card transaction data in Seoul, South Korea
beomsoo jeong	Devising a spatial measure for estimating the co-location tendency of different types of shops : An empirical study on Seoul
Lorri Krebs, <i>Salem State University</i>	The Future of Work: A view from 2023
Aviskar Giri	ESTIMATING SPILLOVER EFFECTS OF BASEBALL GAMES ON THE LOCAL ECONOMY USING MOBILITY DATA AND MACHINE LEARNING
Ainsley Elliott	Sneak-enomics
Mahnoush Mostafavi	Reconstructing History: 3D urban modeling of a historical public housing project in 1940
Enoh Martha Francis	Assessing Microclimate Variability in Cities: A Methods Comparison Between Local Weather Stations and Satellites.
Daniel Olsen	Sacred Sites of The Church of Jesus Christ of Latter-day Saints
dabin jeong	An Analysis of Factors Influencing Individual Cognitive Distance between Cities

Theresa Ogbeche	CONSTRUCTIVE DIALOGUES AROUND SUSTAINABILITY
Tai-Jin Song	Classification of Types of High Speed Train Stations on Car-sharing Travel Patterns
Koki TAKAHASHI	The World's Most Multicultural City? Finalizing the Spatial Commodification of Ethnicity in Toronto, Canada
Matilda Ohenewaa Bekoe	Barriers of active travel among children for school journeys in the State of New Mexico
Kyle Redican	Reconstructing Unity: Empowering Reconnections Post-Interstate Highway Deployments with Geospatial Tools
Iyanuoluwa Fatunmbi	Addressing Spatial Resolution Challenges in Microscale Urban Remote Sensing: Exploring the Relationship between Landsat Bands for Green Infrastructure Mapping.
Samuel Owusu	ADDRESSING THE AFFORDABLE HOUSING CRISIS IN THE STATE OF NEW MEXICO
Megan Schirl	Using UAVs and Field Methods to Assess the Health and Abundance of Urban Trees on a University Campus
Onyedikachi Joshua Okeke	Spatial Modelling of West Nile Virus Incidence in New Mexico: Utilizing Poisson Kriging and Mean Squared Error Analysis Over a 5-Year (2003 - 2022) Period
Jena Brown	Developing a Diverse Research Workforce with Expertise in Hydrological Climate Events in the Upland Watersheds of the Northern Gulf of Mexico (Hydroclimate-AU)

## GIS and Public Transportation

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Xiaohuan Zeng	Understanding Transit Service Reliability in a Geographic Context Using High-Resolution Transit Data and Multi-Source Urban Data
Sooyoung LIM	Analysis of Spatiotemporal Travel Utilization Patterns of Shared Bicycles Using Machine Learning
Hung-Chi Liu	Optimizing the Location of Electric Moped-Scooter Sharing Hubs: A GPS Trajectory Approach

## Patterns of Pollution

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Gabe Geckhouse

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 4

**Presentations (if applicable) and Session Agenda:**

Elizabeth Bennett, <i>UCLA</i>	Cryptocurrency, Coal Waste, and Changing Regulatory Landscapes in Pennsylvania
Carly Nichols, <i>University of Iowa</i>	Chemical labor: weedicides and socio-ecological reworking of gender, labor, and value in rainfed eastern India
Sungeun Kim	Making Asian Atmospheres: Transboundary Air Pollution and the Geopolitics of Atmospheric Knowledge in Asia-Pacific
Gabe Eckhouse, <i>University of California Berkeley</i>	The materiality of critical mineral production processes: a bird's-eye view

## Departments in Peril: Tips and Tools for Saving University and College Geography (Session Two)

**Type:** Panel

**Sponsor Group(s):** AAG Healthy Departments Committee

**Primary Organizer:** Dave Kaplan, Kent State University

**Primary Session Chair(s):** Dave Kaplan *Kent State University*

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Alec Murphy <i>University of Oregon</i>
Discussant	William Moseley <i>Macalester College</i>
Discussant	Derek Alderman <i>University of Tennessee</i>
Discussant	Burrell Montz <i>East Carolina University</i>

## WS2\_4: Spatial Statistics and Machine Learning: Time Series Analysis and Forecasting

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Instructor	Alberto Nieto

Instructor	Nick Giner
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### Political Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Meredith DeBoom,

**Primary Session Chair(s):** Meredith DeBoom

**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### Development Geographies Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Development Geographies Specialty Group

**Primary Organizer:** Jamey Essex,

**Primary Session Chair(s):** Jamey Essex

**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Qualitative Research Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Qualitative Research Specialty Group

**Primary Organizer:** Jen Kitson,

**Primary Session Chair(s):** Jen Kitson

**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 3

**Presentations (if applicable) and Session Agenda:**

### Cryosphere Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Cryosphere Specialty Group

**Primary Organizer:** Yanan Li,

**Primary Session Chair(s):** Yanan Li

**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 5

**Presentations (if applicable) and Session Agenda:**

### Socialist and Critical Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Socialist and Critical Geography Specialty Group

**Primary Organizer:** Peter Hossler,

**Primary Session Chair(s):** Peter Hossler

**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 6

**Presentations (if applicable) and Session Agenda:**

### Cultural Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Mark Rhodes,

**Primary Session Chair(s):** Mark Rhodes

**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Environmental Perception and Behavioral Geography Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Environmental Perception and Behavioral Geography Specialty Group

**Primary Organizer:** Stephanie Deitrick,  
**Primary Session Chair(s):** Stephanie Deitrick  
**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

**European Specialty Group Business Meeting**

**Type:** Virtual Meeting  
**Sponsor Group(s):** European Specialty Group  
**Primary Organizer:** Mathias Le Bosse,  
**Primary Session Chair(s):** Mathias Le Bosse  
**Date:** 4/17/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**2024 Asian Geographer Annual Lecture by Henry Yeung - Decentering Anglo-American Geography: theory development and “theorizing back” from an Asian perspective**

**Type:** Paper  
**Sponsor Group(s):** Asian Geography Specialty Group, Economic Geography Specialty Group  
**Primary Organizer:** Jiang XU, Asian Geographer/The Chinese University of Hong Kong  
**Primary Session Chair(s):** Jiang XU *The Chinese University of Hong Kong*  
**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 311 (Kaua`i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Henry Yeung, <i>National University of Singapore</i>	Decentering Anglo-American Geography: theory development and “theorizing back” from an Asian perspective
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**Non-Presenting Participants**

Role	Participant
Introduction	Jiang XU <i>The Chinese University of Hong Kong</i>

## Water (in)security and climate change (Part 1): Critical explorations of root causes, impacts and “solutions”

**Type:** Virtual Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Nicole Wilson, University of Manitoba

**Primary Session Chair(s):** Nicole Wilson *University of Manitoba*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Meg Mills-Novoa	Social Resistance to Dam Development in the 21st Century: The role of climate justice
Laura Betancur Alarcon	From Time Series to River Banks: An Interdisciplinary Approach to Re-interpret Anomalies during Dry Periods in Dammed Rivers
Celina Balderas Guzman	Cyclical Maladaptation: The Inevitability of Maladaptation in Unjust Systems
Nicole Wilson, <i>University of Manitoba</i>	Beyond Crisis: Advancing Climate and Water Justice
Rajiv Ghimire	Crosscutting issues on sustainability: Hydro-led energy transition in Nepal and the associated socio environmental change
Question and Answer Block	

## Regional planning and urban development in China

**Type:** Paper

**Sponsor Group(s):** Regional Development and Planning Specialty Group

**Primary Organizer:** Weiye Xiao, Nanjing Institute of Geography and Limnology

**Primary Session Chair(s):** Weiye Xiao *Nanjing Institute of Geography and Limnology*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Weiye Xiao	The 2-Month Lockdown and Commuting Behavior Transformation in Shanghai: A Phone Signal Data-Based Analysis
Jinlong Gao	Who benefits more from development zones? An empirical analysis of industrial land use efficiency in Kunshan, China
ZIDONG YU	Unveiling the Heterogeneous Roles of Agglomeration Economies: Comparative Perspective of Industrial Co-location in China's Greater Bay Area
Feng Yuan	Urban Space, Mixed Land Use, and Residential Land Prices: A Case Study of Nanjing, China
Meitong Liu	The diverging effect of urban sprawl on housing affordability in transitional China: A case study on Yangtze River Delta cities
Yangyi Wu	Green infrastructure inequality in the context of COVID-19: Taking parks and trails as examples

**Economic Geography of Innovation I****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Enrico Vanino, University of Sheffield**Primary Session Chair(s):** Enrico Vanino *University of Sheffield***Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Timothy Wojan	The economic geography of nontechnological innovation: Design orientation across the US settlement hierarchy
Francesco Capone	Do cultural and creative industries support the green transition A patent study analysis on the production of green innovations.

Yuqing GUO	Does transportation accelerate patent obsolescence? -- Evidence based on China
Enrico Vanino	Uncovering Hidden Innovators: Using Big Data to Develop Comprehensive Measures of Regional Innovation and Tech Specialisation
Yuting Hou	The impacts of urban transport network on knowledge spillover in Hong Kong
Q&A	

## Implementing just urban transitions I: How are cities operationalizing climate justice on the ground?

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Julia Wagner, Clark University

**Primary Session Chair(s):** Claudia Diezmartinez *Boston University*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Introduction	
Emma French, <i>University of California</i>	Beyond Participation: Assessing the Role and Influence of Community Stakeholders in Community-Led Climate Planning in Environmental Justice Communities
Sahar Zavareh Hofmann, <i>LMU Ludwig-Maximilians-Universität München</i>	"We can't air-condition our way out of America's heat crisis" – Urban Risksapes of Climate Action Plans in Arizona
Eric Sarmiento	Racial Capitalism and Epistemologies of Environmental (In)Justice in Houston, Texas

Julia Wagner, <i>Clark University</i>	Transforming through transitions? The politics of energy retrofit implementation in NYC
Concluding remarks	

## Author Meets Critics: Wesley Attewell's *The Quiet Violence of Empire: How USAID Waged Counterinsurgency in Afghanistan* (Minnesota 2023)

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Richard Nisa, *Carnegie Mellon University*

**Primary Session Chair(s):** Richard Nisa *Carnegie Mellon University*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Panel Discussion
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### Non-Presenting Participants

Role	Participant
Discussant	Richard Nisa <i>Carnegie Mellon University</i>
Discussant	Wesley Attewell <i>Hong Kong University</i>
Discussant	Eric Pido <i>San Fransisco State University</i>
Discussant	Jennifer Greenburg <i>Sheffield University</i>
Discussant	Lisa Bhungalia <i>Kent State University</i>

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Mobile Sensing and Spatiotemporal Analysis of Human Mobility and Environmental Health

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jiannan Cai, The Chinese University of Hong Kong

**Primary Session Chair(s):** Jiannan Cai *The Chinese University of Hong Kong*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Suhong Zhou, <i>Sun Yat-Sen University</i>	The spatiotemporal pattern of SARS-CoV-2 variants proportion and its impact on new waves of infections
Yue Shen	Neighborhood environments, social capital and mental health during the COVID-19 pandemic: Evidence from Shanghai, China
Wanying SONG, <i>CUHK</i>	How individual daily activities is related to real-time air pollution exposure in microenvironment?
Yuhan Cui	Examining the Association Between Sleep Disorders and Individual Exposure to Artificial Light at Night (ALAN) Using the Mobility-Oriented Research Paradigm

## Queer Inconveniences 1: Tensions in Sexualities and Gender Research, Politics, and Communities

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Andrew McCartan, University College Dublin

**Primary Session Chair(s):** Andrew McCartan *University College Dublin*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317Bhs (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Yo-Hsin Yang	Navigating Queer Inconveniences from within: Performativity of Sexual Capitals and the ‘Bragging Culture’ among gay men
Ryan Centner	The inconvenience of "other others": Gay expats as queer migrants
Andrew McCartan	“They’re still here... but it’s perfect”: Developing inconvenient theatre for utopian (re)thinking of everyday space in relation to gender, sexuality and abortion
Meg Poff	Tensions in relationality: An affective autoethnography of pre-fieldwork communications

### Trees in the City 3

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Tenley Conway, University of Toronto, Mississauga

**Primary Session Chair(s):** Tenley Conway *University of Toronto, Mississauga*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### **Presentations (if applicable) and Session Agenda:**

Shawn Landry, <i>University of South Florida</i>	I was under the impression that all people like to have trees planted in front of their houses, until I started planting trees in front of houses
Alicia Coleman	Developing measures to evaluate the impact of grant-funded urban and community forestry activities in Connecticut, USA
Myles Ritchie	Reimagining Hawaii’s Exceptional Tree Program: Utilizing the Lived Experiences of Hawaii’s Exceptional Tree Practitioners and Experts to Improve this Urban and Community Forestry Conservation Program

YunJae Ock, <i>Portland State University</i>	Cities Lose the Most Green Space in the Hottest Neighborhoods: A study of 33 US Cities
Nicholas Geron, <i>No Affiliation</i>	Title: Legacy Effects of an Invasive Species on Street Trees in Worcester, MA

## ScienceCore Heuristics for Open science Outcomes in Learning (SCHOOL): Health, Air Quality, and Environmental Justice Module Development

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kytt MacManus, Columbia University CIESIN

**Primary Session Chair(s):** Kytt MacManus *Columbia University CIESIN*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panelists will introduce their work followed by Q&A

### Non-Presenting Participants

Role	Participant
Panelist	Yoonjung Ahn <i>University of Kansas</i>
Panelist	Kayla Anderson <i>Vanderbilt University</i>
Panelist	Destiny Apilado <i>University of Hawaii</i>
Panelist	Benjamin Crawford <i>University of Colorado Denver</i>
Panelist	Dingyi Liu <i>University of Hawaii</i>
Panelist	Alamin Molla <i>Arizona State University</i>

## Filmmaking in a time of chaos, conflict and crisis?

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Film-Making and Screening Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Joseph Palis, University of the Philippines-Diliman

**Primary Session Chair(s):** Jessica Jacobs *Queen Mary University of London*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Chiara Certoma'	Filming Ocean Plastic Pollution for Participatory Research. The SeaPaCS experience
Jessica Jacobs, <i>Queen Mary University of London</i>	Filmmaking in a time of perpetual crisis
Suzanne Beech	Young People's Perspectives on the 'New' Irish Borderlands: Using Filmmaking to Understand Changing Perceptions of Identity and Citizenship

### Non-Presenting Participants

Role	Participant
Discussant	Jessica Jacobs <i>Queen Mary University of London</i>
Discussant	Vera Zambonelli <i>Hawai'i Women in Filmmaking</i>

## Spatial reconfigurations of food production and nature protection: Geographies of intensification, infrastructure, and biodiversity use and conservation 1

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Martha G. Bell, Pontifical Catholic University of Peru

**Primary Session Chair(s):** Martha G. Bell *Pontifical Catholic University of Peru*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Karl Zimmerer, <i>Pennsylvania State University</i>	Theoretical perspectives on the spatial reconfiguring of food systems through new geographies of intensification and infrastructure
Elizabeth Castner, <i>University of California - Davis</i>	The green technology treadmill on California dairies
Megan Baumann, <i>Pennsylvania State University</i>	Agricultural intensification models of land and water control: A historic political-ecology approach to spatial configurations of Colombia's land rental markets and irrigation development
Nina Laurie	'La suerte de la lluvia', agricultural intensification in the Desert-El Niño-food system in Sechura, Peru.
Carrie Seay-Fleming	The development mirror: Making milpa an object of intervention

## Topographies of Memory and Healing: Ancestral Wisdom, Elemental Geographies, and Love for Community

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Candace Fujikane, University of Hawai'i

**Primary Session Chair(s):** Kyle Kajihira *University of Hawai'i*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Jennifer Clary-Lemon, <i>University of Waterloo</i>	Sovereignty and Plantation Logics: Healing Beyond the Technofix
Katrina-Ann Oliveira, <i>University of Hawai'i</i>	Planting One 'Ulu Tree for Each Person Who Perished: A Cultural Geography of Lahaina in Mele

Candace Fujikane	Elemental Cartographies to Heal the People and the Earth: Kanaka Maoli Activation of Elements
Chantelle Richmond, <i>Western University</i>	Nishnaabeg Gathering on the Land for Healing, Wellness and Belonging
Karen Fisher	Decolonizing ocean sciences

### Non-Presenting Participants

Role	Participant
Panelist	Katrina-Ann R. Kapā'anaokalāokeola Nākoa Oliveira <i>University of Hawai'i</i>
Panelist	Candace Fujikane <i>University of Hawai'i</i>
Panelist	Chantelle Richmond <i>Western University</i>
Panelist	Jennifer Clary-Lemon <i>University of Waterloo</i>
Panelist	Karen Fisher <i>University of Auckland</i>

## Dendrochronology III: Frontiers in Dendrochronology

**Type:** Paper

**Sponsor Group(s):** Biogeography Specialty Group, Climate Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Rebecca Brice, United States Geological Survey

**Primary Session Chair(s):** Kevin Anchukaitis *University of Arizona*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Sanjaya Bhandari	Blue Intensity as a new climate proxy in the rings of <i>Pinus wallichiana</i> from Northern Pakistan
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Jim Speer, <i>Indiana State University</i>	Ring Formation and Arboreal Ecology in a Wet Miombo Woodland in Zambia
Collins Chibuye Malubeni	Dendrochronology in the Wet Miombo Woodland of Zambia: A case of trees as Bio-monitors of Environmental Pollution
Adam Csank, <i>University of Nevada - Reno</i>	Was dendrochronology critical physical geography before it was cool?
Questions and Discussion	

## Maritime and Oceanic Geographies II

**Type:** Paper

**Sponsor Group(s):** Coastal and Marine Specialty Group, Economic Geography Specialty Group

**Primary Organizer:** Andrew Warren, University of Wollongong

**Primary Session Chair(s):** Chris Gibson *University of Wollongong*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 324, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Patrick Heidkamp, <i>Southern Connecticut State University</i>	The bottom of the Iceberg: Making 'diverse ocean economies' and (un)justice visible!
Yan Huang	Tourism in the South China Sea: balancing territorialisation, security, and economy
Stefan Yong	World Shipping Across Three Worlds: Decolonization, Maritime Transport, and the Limits of Socialist Globalization
Andrew Warren	Maritime ports and the work of global circulation
Roundtable discussion	

## The Future of University Cartography Labs: Challenges, Opportunities, and Collaborations

**Type:** Paper

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Alicia Cowart, University of Wisconsin-Madison

**Primary Session Chair(s):** Robert Roth *University of Wisconsin-Madison*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Alicia Cowart	University Cartography & GIS Labs in “These Uncertain Times”
Anthony Robinson, <i>Pennsylvania State University</i>	Developing the GeoGraphics Lab for Cartography and Community Geography at Penn State
Jennifer Mapes, <i>Kent State University</i>	Building a community-engaged mapping space at Kent State
Jim Thatcher, <i>University of Washington - Tacoma</i>	(Re)Building a Cartography lab, honoring legacies and charting new paths
Robert Roth, <i>UW-Madison</i>	Remapping the University of Wisconsin Cartography Lab

## Symposium on GeoAI and Deep Learning for Geospatial Research: Urban Visual Intelligence I

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Fan Zhang, Peking University

**Primary Session Chair(s):** Fan Zhang *Peking University*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Filip Biljecki	Global Streetscapes---A comprehensively enriched dataset of street-level images for urban science research and human perception
HyunJung Kim	Analyzing the spatial pattern of walkability using SVI
Emma de la Torre	Deep Learning Image Classification with Google Street View (GSV)
Siwei Zhang	Utilizing Satellite and Street-View Imagery for Analyzing Urban Waste Dumping Distribution
Zhuangyuan Fan	Urban visual intelligence: uncovering hidden city profiles with street view images

## Symposium on Human Dynamics Research: Mining Human Dynamics with Big Data & Spatio-Temporal Analysis I

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Xinyue Ye, Texas A&M University

**Primary Session Chair(s):** Chen-Chieh Feng *National University of Singapore*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Chen-Chieh Feng, <i>Geography, National University of Singapore</i>	Representing elderlies activities in a mixed physical-virtual human dynamic framework
Xinyue Ye, <i>xinyue.ye@gmail.com</i>	Assessing the Risk of Cyber Victimization in a Physical-Digital Environment
Daniel Runfola	Drawing a Line: Examining The Lack of Agreement Among Administrative Boundary Data

Aniruddha Banerjee	Simulating, Predicting and Minimizing Infections Inside a Hospital Floor
minglei liao	Characterizing temporally fragmented human activity networks in cyber space using uniform resource locator (URL) data

## Pyrogeographies of the Anthropocene 1

**Type:** Paper

**Sponsor Group(s):** Biogeography Specialty Group, Hazards - Risks - and Disasters Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Glen MacDonald, UCLA

**Primary Session Chair(s):** Glen MacDonald *UCLA*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Glen MacDonald	California Fires - What is Happening and How Does Today Compare to the Past and Future?
Anna Klimaszewski-Patterson, <i>California State University - Sacramento</i>	Humans influenced Late Holocene fire history in a mixed-conifer forest, Sierra National Forest, California
Benjamin Nauman	Impact of Antecedent Fuel Alterations on Wildfire Severity Measurements in California's Coniferous Forests
Michael Medler	Community Protection Zones as Solutions to the Scale Mismatch Between Problems and Solutions in Wildland Fire in the Western U.S.
David Pompeani	Long-term Causes and Consequences of Changing Fire Regimes in the Hawaiian Islands

## Vegetal Geographies 2

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Paul Moss, University of Minnesota Department of Geography, Environment, & Society

**Primary Session Chair(s):** Paul Moss *University of Minnesota Department of Geography, Environment & Society*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Zilkia Janer	Sugar, Coffee, or Plantains? Competing plants in the affective geography of Puerto Rico
Sonia Graham	From shoots of hope to overwhelm: emotional responses to plants in post-fire landscapes
Luca Battisti	The voice of plants in the implementation of Nature-based Solutions: experiences and narratives in Italy
Josephine Gillespie	Letting the plants speak: biogeography and critical legal geography
Presentations are followed by interactive questions/discussion between attendees and the presenters	

## Advancing Equitable Climate Action in the Pacific Islands and Beyond

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Abby Frazier, Clark University

**Primary Session Chair(s):** Abby Frazier *Clark University*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 320 (ʻEmalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Abby Frazier	Climate Change, Action, and Equity: Findings from the Hawai'i and US-Affiliated Pacific Islands chapter of the Fifth National Climate Assessment
Glenn Banks	Samting i narakain: diverse experiences of change and resilience across the Pacific
Elena Lioubimtseva	Equity and Inclusion in Michigan Climate Action and Adaptation Plans.
Samantha Carter	Co-Management of Natural Resources: Perceptions from Hawaii and Aotearoa New Zealand

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Embedding Ethics in Geospatial Data Science and AI

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Peter Darch, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Peter Darch *University of Illinois at Urbana-Champaign*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

ivan kong	Dilemmas in Geospatial Data Science: Exploring Ethical Challenges
Michelle Zuniga	Challenges and criticisms of the 15-minute city: Developing and implementing chrono-urbanism policies in the U.S
Jane Southworth	Redefining Boundaries: Geography's Role in Tomorrow's Challenges

Erin Bunting, <i>Michigan State University</i>	Embracing Community Science for Remote Sensing Research: Successes, Failures, Challenges, and Issues of Sustainability in the Development of a Coastal Monitoring Participatory Science Program
Gift Fabolude	Understanding the Evolution of System Dynamics Models through the Lens of Big Data: A Review of Innovations and Future Trends.

## AAG Remote Sensing Specialty Group Student Illustrated Paper Competition

**Type:** Guided Poster

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Suiyuan Wang, The State University of New York at Buffalo

**Primary Session Chair(s):** Hongsheng Zhang *University of Hong Kong*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Antonio Victor Galvao da Fonseca	Patterns of Change in Irrigation and Land Cover in Western Bahia, Brazil
Pawan Thapa	Automated extraction of River Morphological Attributes using Phase-Coded Disk Algorithm and Cloud Computing Platform
Aiyin Zhang, <i>Clark University</i>	Data quality assessment of loss and gain of a land category during a time series
Ka Ying Sit	3D visualisation of building- and pedestrian-level urban greenspace injustice in volumetric compact city using high-resolution multi-spectral satellite data
Tianze Li	Refined mangrove mapping in a highly-invaded area with multi-temporal Planet-Landsat-8 data fusion
Ji Jin Chen	CropSync: towards a large-scale operational framework for within-season crop type mapping using Google Street View and Harmonized Landsat and Sentinel-2 imagery

Jing Miao	Leveraging Phenological Information from HLS Satellite Imagery for Mangrove Species Mapping in Florida
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## The permanent temporary: Borders, camps, and categories I

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Md Azmeary Ferdoush, University of Eastern Finland

**Primary Session Chair(s):** Jussi Laine *University of Eastern Finland*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Md Azmeary Ferdoush, <i>University of Eastern Finland</i>	The permanent temporary: Chronopolitics and categories in Finland
Laura Sumari	A Life in the Permanent Temporary – Story of Two Brothers
Charishma Ratnam	Protracted permanent temporariness: a case study of Sri Lankan refugees and asylum seekers living in Australia
Charlotte Brown	An elusive promise: The violence of refugee self-reliance discourses in Uganda
Annett Bochmann	Global Governance, Categorization Work, and the Production of Interim Spaces

## Environmental Justice in Nepal: Origins, Struggles and Prospects

**Type:** Virtual Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Asian Geography Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group

**Primary Organizer:** Jonathan London, UC Davis

**Primary Session Chair(s):** Jonathan London *UC Davis*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 4

**Presentations (if applicable) and Session Agenda:**

Jagannath Adhikari	Environmental Justice Movements in Nepal: A Historical Perspective
Pasang Sherpa	Indigenous Environmental Justice in Nepal
Dhirendra Nalbo	Tipping the Balance People and Wild Animals: Seeking Environmental Justice in Nepal's Koshi Tappu Wildlife Reserve
Jonathan K London, <i>University of California-Davis</i>	Towards a New Paradigm for Environmental Justice Studies in Nepal

**Non-Presenting Participants**

Role	Participant
Discussant	Tom Robertson <i>Independent Scholar</i>

**J. Warren Nystrom Award Session 2024**

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Candida Mannozi, AAG

**Primary Session Chair(s):** Hyun Kim *University of Tennessee*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 1

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Discussant	Nicole Hutton <i>Old Dominion University</i>

Discussant	Lan Mu <i>University of Georgia</i>
Discussant	Thomas Ptak <i>Texas State University</i>
Panelist	Sylvia Cifuentes <i>UC Santa Barbara</i>
Panelist	Yi-Jie Zhu <i>Florida Atlantic University</i>
Panelist	Jinmeng Rao <i>University of Wisconsin Madison</i>
Panelist	Changzhen Wang <i>University of Alabama</i>

## Encoding Geography

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Young Korean Geographers Forum

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kelly Huh, California State Polytechnic University, Pomona

**Primary Session Chair(s):** Kelly Huh *California State Polytechnic University, Pomona*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Non-Presenting Participants

Role	Participant
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Role	Participant
Introduction	Hyejin Yoon <i>University of Wisconsin, Milwaukee</i>
Panelist	Changho Lee <i>University of Texas Dallas</i>
Panelist	Changmin Im <i>Korea University</i>
Panelist	Wanhee Kim <i>University of Tennessee, Knoxville</i>
Discussant	Woonsup Choi <i>University of Wisconsin, Milwaukee</i>
Discussant	Jieun Lee <i>University of Northern Colorado</i>

## HRDSG Vulnerability

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Oronde Drakes *USGS*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Oronde Drakes	Identifying how social vulnerability influences water insecurity in the Upper Colorado River Basin
Rose-Ann Smith	Indigenous Vulnerability, Disaster Governance and Environmental Justice: Case Study of the 2021 La Soufrière Eruptions in St. Vincent and the Grenadines
Diana Restrepo-Osorio	The Social Construction of Drought and Vulnerability in the Upper Colorado River Basin
Tabytha Clearwater	Assessing climate change vulnerability in Rio Grande Indigenous reservation communities

Tobias Ide	Disasters and Armed Conflict Dynamics in the Age of Climate Insecurity
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## Advances in Understanding Land-Atmosphere Interactions and Their Role in Climate System 1

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Human Dimensions of Global Change Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Shobha Yadav, Texas A&M University

**Primary Session Chair(s):** Yaqian He *University of Central Arkansas*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Minjoo Kim	Increasing lightning strikes in the Arctic region and related biophysical processes
Shuai Li	Regional climate effects of long-term land cover change: a case study in the ABoVE domain
Yanghui Kang, <i>University of California, Berkeley</i>	Estimating Global Gross Primary Productivity with Multi-source Satellite Remote Sensing and Machine Learning
Ahyeong Im	Detecting land cover and land use transitions and the associated temperature changes in the East Asian monsoon region
Wei Liu	Land Use Classification from Historical Images Using Deep Learning

## First Impressions: Showcasing Your Geography Skills in Resumes and Cover Letters

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Joy Adams-O'Brien, Elevated Learning Design

**Primary Session Chair(s):** Joy Adams-O'Brien *Elevated Learning Design*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Methodologies, Cheat Codes, and Advantages of Building a Diverse Personal Network**

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Keith Searles, Urban GIS

**Primary Session Chair(s):** Keith Searles *Urban GIS*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Geography of demographic development across the Europe**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Dagmar Dzúrová, Charles University, faculty of Science, Prague, Czechia

**Primary Session Chair(s):** Jiřina Kocourková *Charles University, Faculty of Science, Prague, Czechia*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Jirina Kocourkova	Fertility trends in Czechia within the European context: The impact of Covid-19 pandemic
Dagmar Dzurova, <i>Charles University, Prague</i>	The COVID-19 pandemic and health inequalities between countries and within countries
Eva Janska	Flexible Transnationalism: A Century of Czech Migration to the US

### Non-Presenting Participants

Role	Participant
Discussant	Michala Lustigová <i>Charles University, Prague, Czechia</i>

## Narratives of Crisis, Crisis of Narratives: Fact, Fictions, and Futures IV

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kahina Meziant,

**Primary Session Chair(s):** Abdul Aijaz

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Semyon Drozdetskii	Mapping for Cultural Resurgence: Reclaiming Geocultural Knowledge of Kamchatka's Indigenous Peoples
Elan Pochedley	Archival Embraces and Toponymic Gazes at Gaa-waabaabiganikaag: Making Indigenous Place Names Visible on the White Earth Ojibwe Reservation
Andrey Petrov, <i>University of Northern Iowa</i>	Walking knowledge co-creation pathways via All-Our-Relations land-based interdisciplinary and intertribal camp experiences
Nathan Huanacune	The policy ecology of the Andean social agenda: regional integration and indigenous temporalities.

## Protected Areas SG Keynote Talk: Indigenous Voices

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Protected Areas Specialty Group

**Primary Organizer:** Terence Young, Cal Poly Pomona

**Primary Session Chair(s):** Yolonda Youngs *California State University, San Bernardino*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Melia Lane-Kamahele

**Urban Planning and Spatial Analysis**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Abdulaziz Ibrahim	Understanding Place-based Crime Concentration in a Developing Context
Zurikanen Iddrisu	Testing for Socioeconomic Development Convergence Among MMDAs in Ghana Using a Spatially Explicit Markov Chain Model
Di WEI	Examining the effect of peri-urban parks and socioeconomic inequalities on life expectancy: A 16-year longitudinal study in Hong Kong
Chandana Mitra	Sustainable pathways through co-production in small and medium sized cities (SMSC)
Clemens Pilgram	Pathway buffer measures of pedestrian quality for the entire United States

## Economic and Political Geographies in Europe and Asia

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Igor Sirodov

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Nir Cohen, <i>Bar Ilan University</i>	Defensive Urban Citizenship (DUC) and Inter-ethnic Relations in South Tel-Aviv
Isabelle Bi-Swinglehurst	People, places, and problem debt: understanding personal borrowing and personal contexts for young adults from 2006 to 2018 in England, Wales, and Scotland
Dmitrii Sidorov	Authoritarian Urban Morphology: Ivan the Terrible's Terror Territoriality in Moscow
Igor Sirodov	Land dynamic within a European Union bread basket: The case of Southern Romania
Boian Koulov	Watershed-based Environmental Governance in the European Union: A Danube - Black Sea Marine Region Case Study

## Geographies of Displacement & Belonging 1

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Orhon Myadar,

**Primary Session Chair(s):** Orhon Myadar

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Anne Della Guardia	Who is Prioritized? The Politics of Humanitarian Response to Refugees and IDPs
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Jacek Kotus, <i>Adam Mickiewicz University</i>	'The power of place' in the adaptation process of Ukrainian war refugees in Poland
Orhon Myadar	Geographies of Displacement, Refuge and Longing
Timothy Berke	Do Internally Displaced Persons and Returnees Value City Service Differently than Host Residents in Juba, South Sudan

## Healthcare Responses

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Erynn Monette

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Karen Johnson-Webb, <i>Bowling Green State University</i>	Leveraging Provider-Patient Relationships to Improve Infant Vitality
Sigrid Van Den Abbeele	Heterogeneous Adoption of Medicaid Expansion and the State-Level Supply of FQHCs
Erynn Monette	Forms of capitals and community palliative care programs in Dangriga, Belize

## Human Environmental Impacts

**Type:** Virtual Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Ella Speidel	Reimagining Green Spaces on Salem State Campus Using Urban Trees
Anupa Bhatta	Geodemographics and Spatial Inequity of Urban Blue and Green Spaces in San Marcos, Texas
Daniel Kargilis	Residential Greenness and Risk of Cardiovascular Disease and All-Cause Mortality in a Prospective Cohort: The Multi-Ethnic Study of Atherosclerosis
Meshack Achore, <i>Queens University</i>	Institutional Trust, Conspiracy Beliefs and Covid-19 Vaccine Uptake and Hesitancy among Adults in Ghana
Kwangyul Choi, <i>University of Oklahoma</i>	Impact of Spatial Distribution of Electric Vehicle (EV) Charging Infrastructure on EV Adoption in the United States
Justin White	Using extreme gradient boosting to identify the relationships between environmental metrics and the degradation of building facades at CONUS US Air Force and Space Force bases
Festus Adegbola	Understanding the Relationship between Wildfire Events, Smoke Conditions, and Avian Observations: A Data-Driven Analysis Utilizing Citizen Science Datasets.
Bo Peng	Exploring Optimal Trigger Landslide Rainfall Thresholds for Daily Landslide Hazard Warning
Sierra Dinndorf	Predicting forest attributes using deep learning to inform cross-country military mobility operations

### Tourism Geographies & RTS Alan Lew Invited Lecture: Why Travel?

**Type:** Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University

**Primary Session Chair(s):** Mary Mostafanezhad *University of Hawai'i at Mānoa*

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Alan Lew <i>Northern Arizona University</i>
Discussant	Jennie Molz <i>College of the Holy Cross</i>
Discussant	Mary Mostafanezhad <i>University of Hawai'i at Mānoa</i>
Discussant	Joseph Cheer <i>Western Sydney University</i>
Discussant	Chris Gibson
Discussant	Regina Scheyvens
Discussant	Jamie Gillen

**WS2\_5: Performing Deep Learning Analysis in ArcGIS: An Introduction for All Skill Levels**

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
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Role	Participant
Instructor	Caserina Kurnia
Instructor	Madeline Wrable

## WS2\_6: Using accessibility measures: with and without constraints and competition

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Anastasia Soukhov,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 2:00 PM - 5:00 PM **Room:** 323B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Gamma Theta Upsilon Annual Membership Business Meeting

**Type:** Meeting

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Karen Johnson-Webb,

**Primary Session Chair(s):** Karen Johnson-Webb

**Date:** 4/17/2024 **Time:** 1:00 PM - 3:00 PM **Room:** 327, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## The Waldo Tobler Distinguished Lecture in GIScience

**Type:** Plenary

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Song Gao, University of Wisconsin, Madison

**Primary Session Chair(s):** Song Gao *University of Wisconsin, Madison*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

A-Xing Zhu	Third Law of Geography: What is the big deal?
Yao-Yi Chiang	Spatial AI and Its Applications in An Interdisciplinary World

**Trees in the City 4****Type:** Paper**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group**Primary Organizer:** Shawn Landry, University of South Florida**Primary Session Chair(s):** Shawn Landry *University of South Florida***Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Alessandro Ossola	Can urban forests increase food security and nutritional safety across a warmer US?
Rachel Torres	Does turfgrass water conservation in semi-arid cities affect ecosystem services from trees during drought?
Alexandra Ponette-Gonzalez	Urban form influences elemental carbon deposition to city trees: implications for future forest planning
Andrew Almas	Update on “Open Urban Forests”: Disseminating an open-educational resource for urban foresters
Ashley Coles, <i>Texas Christian University</i>	Digital tools in urban forestry research: a systematic review

**Esri YPN Presents: Strategies to Develop GIS Leaders****Type:** Panel**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Rosemary Boone, Esri

**Primary Session Chair(s):** Angela Lee *Esri*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Panel Discussion

**Non-Presenting Participants**

Role	Participant
Panelist	Narcisa Pricope <i>Mississippi State University</i>
Panelist	Dapeng Li <i>University of Alabama</i>
Panelist	Hamed Alemohammad <i>Clark University</i>
Panelist	Michelle Kinzer <i>Esri</i>

**Carceral Landscapes of US Military Power**

**Type:** Panel

**Sponsor Group(s):** Feminist Geographies Specialty Group, Political Geography Specialty Group, Socialist and Critical Geography Specialty Group

**Primary Organizer:** Jennifer Greenburg, University of Sheffield

**Primary Session Chair(s):** Jennifer Greenburg *University of Sheffield*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
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Role	Participant
Panelist	Kali Rubaii <i>Purdue University</i>
Panelist	Kyle Kajihira <i>University of Hawaii-Manoa</i>
Panelist	Laurel Mei-Singh <i>University of Texas-Austin</i>
Panelist	Creighton Burns <i>Brown University</i>
Discussant	Jennifer Greenburg <i>University of Sheffield</i>
Panelist	Jessica Katzenstein <i>Harvard University</i>

## Spatial reconfigurations of food production and nature protection: Geographies of intensification, infrastructure, and biodiversity use and conservation 2

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Karl S. Zimmerer, Pennsylvania State University

**Primary Session Chair(s):** Karl S. Zimmerer *Pennsylvania State University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Martha Bell	Following the water uphill? New geographies of agricultural exports amidst climate change in Peru's Andean highlands
Emily Baker	Investments in ecological intensification are rooted in historical sociocultural and political economic transformations: A case study of agroforestry in Western Uganda
William Moseley, <i>Macalester College</i>	Feeding the Fire or Dousing the Embers: Soft Infrastructure, International Agricultural Research Institutions and Agroecology in Africa

Robert Davenport	Alternatives to a tropical Plantationocene or perennial commodity intensification frontier? Farm systems, landscape differentiation and agrarian change in an intensified cacao tree-cropping geography in the eastern Brazilian Amazon
Ryan Galt, <i>University of California, Davis</i>	Sustainable Agriculture as a Socio-Ecological System: A Review

## Geographies of Health, Healthcare and Vulnerable Populations: New Challenges in a (Post) Pandemic World (1)

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Mark Rosenberg, Queen's University

**Primary Session Chair(s):** Kevin Mwenda *Brown University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Mark Rosenberg, <i>Queen's University</i>	A New Urban Agenda for Health Geographers
Shamayeta Bhattacharya	Depression and Alcohol Use Patterns in Transgender and Gender Diverse Individuals across Urban and Rural India Amidst the COVID-19 Pandemic
Tianshu Yin	Geographic Heterogeneity and Urban-Rural Disparity in COVID-19 Mortality Rates of the Aging Population in Ontario, Canada - A Regional Level Spatial Analysis
Hao Yin	Global Health Cost of Ambient PM2.5 from Combustion Sources: Implications for Air Pollution Control Strategies
Sandy Wong, <i>Florida State University</i>	COVID-19 in U.S. Nursing Homes: Racial Disparities & Geographic Contexts

## Situating the Social Element in Urban Geography

**Type:** Virtual Paper

**Sponsor Group(s):** Cultural Geography Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Amisha Thakur, Jawaharlal Nehru University, India

**Primary Session Chair(s):** Rahul Ratnam *Panjab University, Chandigarh, India*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 10

### Presentations (if applicable) and Session Agenda:

Elizabeth Gillam	The Ethics of Capitalism: How Grassroots Organizations Emerge in a Neoliberal State
Nidhi Kalani	Dissecting Gentrification in Midwestern cities: A Focus on Chicago's Urban Landscape
Sarah Ariai	A socially sustainable long-term Olympic legacy? An examination of Southeast False Creek, Vancouver, Canada
Y Ren	Informal(ish): on seeking access to sanitation in Shanghai's low-income neighbourhoods

### Non-Presenting Participants

Role	Participant
Discussant	Rahul Ratnam <i>Panjab University, India</i>
Discussant	Amisha Thakur <i>Jawaharlal Nehru University</i>

## Students engaging in Sustainability at Hawai'i Community College

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Indigenous Peoples Specialty Group

**Primary Organizer:** No'el Tagab, Hawai'i Community College

**Primary Session Chair(s):** Drew Kapp *Hawai'i Community College*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panel Discussion

**Non-Presenting Participants**

Role	Participant
Panelist	Kau'inohea Walsh
Panelist	Juss Kawaianiani Ferry
Panelist	Kahekili Yung
Panelist	Rocco Arnott
Panelist	Wynn-Tessa Gold
Panelist	Erena Meleana Faumuina

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Exploring the Transformative Power of Nature's Embrace on Health and Well-Being

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jue Yang, Brown University

**Primary Session Chair(s):** Lan Mu *University of Georgia*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Jue Yang	Exploring the Associations Between Children's Exposure to Greenspaces, Physical Activity Behavior, and Health Outcomes: A Mixed-Methods Approach Utilizing Geospatial and Accelerometry Data
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Fikriyah Winata, <i>Mississippi State University</i>	Therapeutic encounters and wellbeing away from home: Explorations among Indonesian female domestic workers in Hong Kong
LI ZHENHUA	Large-scale greenway exposure reduces sedentary behaviors: A natural experiment in China
Kwadwo Boakye	Green space exposure and COVID-19 incidence trends in US Counties: An ecological study
Lan Mu	Is Green Space a Public Health Issue and How to Measure “Vitamin G”?

## Queer Inconveniences 2: Tensions in Sexualities and Gender Research, Politics, and Communities

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Andrew McCartan, University College Dublin

**Primary Session Chair(s):** Andrew McCartan *University College Dublin*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Angeliki Sifaki	Classical Antiquity in LGBTQ Movements' Historiography: An Introductory Overview
Alex Fanghanel	Queering legal spaces: regulating sadomasochistic desire in the court room
Gus Wendel	Planning the Gay City: Incorporation, Redevelopment, and the Formation of West Hollywood
Jeronia Cubells Vadell	Resisting Norms, Finding Relief: Navigating Barcelona's Streets as Queer Women and Non-Binary People

## AAG CISG Robert Raskin Student Competition

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Jinwoo Park, University of North Dakota

**Primary Session Chair(s):** Jinwoo Park *University of North Dakota*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 324, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Weishan Bai	Neuro-Cognitive Enhancement of Remote Sensing Image Classification
Seonga Cho, <i>University of California</i>	Heuristic Algorithm for Real-time Spatial Decision Support Systems
Jiyoung Lee, <i>Louisiana State University</i>	Street Crime Analysis in Baton Rouge: A Google Street View and Machine Learning Approach
Shoujia Li	Enhancing 3D Disaster Area Modeling through Integrating Remote Sensing and Natural Language Processing
Wenyu Wang	Assessing the Impact of the 2021 Texas Winterstorm Disaster on Social Group Vulnerability and Resilience: A Spatial Flow Analysis and Deep Learning Approach
Zhangyu Wang	Stable-STICC: Handling Missing, Extreme, and Out-of-Distribution Values in Multivariate Spatial Clustering

## Symposium on Human Dynamics Research: Mining Human Dynamics with Big Data & Spatio-Temporal Analysis II

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Xinyue Ye, Texas A&M University

**Primary Session Chair(s):** Danlin Yu

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Danlin Yu, <i>Montclair State University</i>	Covariation-Mining in Complex Systems: Synthetic Study of Theoretical System Dynamics
Hongmian Gong	Understanding Urban Mobility in New York City using GPS data and Smartphone App
Mengling Qiao	Unveiling Travel Resilience of NYC Residents in Response to Extreme Weather: A Spatio-Temporal analysis of Human Mobility Patterns Using Multi-modal Transportation Data

**Water (in)security and climate change (Part 2): Critical explorations of root causes, impacts and “solutions”**

**Type:** Virtual Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Nicole Wilson, University of Manitoba

**Primary Session Chair(s):** Farhana Sultana *Syracuse University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 5

**Presentations (if applicable) and Session Agenda:**

Claudia Diaz-Combs	“It was never this confusing before”: Authoritarian technocracy and chaotic water governance in El Salvador
Avia Nahreen	An intersectional, feminist political ecology analysis of the water crisis in Dhaka, Bangladesh : Beyond a Post- Colonial and Post-Justice City
sridipta ghatak	Theorizing Agency in Adaptation: A case study of Water User Associations in West Bengal.

Brooklyn Montgomery	Water Access as a Mechanism of Power: The Lived Experiences of Structural Adjustment Projects in India
Anais Roque	Water injustices in U.S. colonia communities along the Mexico Border

## The United States in the World

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jake Hodder, University of Nottingham

**Primary Session Chair(s):** Jake Hodder *University of Nottingham*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jake Hodder	African Americans at the League of Nations
James Tyner	On the Periphery of Geopolitics: Cambodia and US Imperialism
Joshua Inwood, <i>Penn State</i>	The Magnificent Seven (1960), Banal Nationalism and the Growth of American Empire Through Film.
Mona Domosh	

### Non-Presenting Participants

Role	Participant
Discussant	Mona Domosh <i>Dartmouth College</i>

## Plenary Speaker CGSG w/ Elaine Lynn-Ee Ho

**Type:** Panel

**Sponsor Group(s):** China Specialty Group

**Primary Organizer:** Anthony Howell, Arizona State University

**Primary Session Chair(s):** Anthony Howell *Arizona State University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Cryospheric Changes

**Type:** Paper

**Sponsor Group(s):** Cryosphere Specialty Group

**Primary Organizer:** Shujie Wang, Pennsylvania State University<sup>[1]</sup>

**Primary Session Chair(s):** Shujie Wang *Pennsylvania State University*<sup>[1]</sup>

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Caiyun Zhang	Integrating an Analytical Model with Fine Resolution Remote Sensor Products to Map Active-Layer Thickness
Peng Gao	Exploring spatial distribution of Peat depths in the Black River watershed of the Zoige basin in the Qinghai-Tibet Plateau
Shujie Wang	Characterization of Ice Shelf Fracture Morphology Across Antarctica Using Satellite Imagery and Altimetry data
Shreya Trivedi	Understanding Extremes in Southern Hemispheric Zonal Wave-3 and their Impact on Antarctic Sea-ice Distribution
wenbo wang	Evaluating the effects of precipitation on ice cover and water temperature in the Bohai and Yellow Sea using FVCOM

## New intersectionality in human-animal relations

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group

**Primary Organizer:** Courtney Berne, Temple University

**Primary Session Chair(s):** Aleksandra Craine *University of Kentucky*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Aleksandra Craine, <i>University of Kentucky</i>	Spatial Marginalization of Emotional Support: Understanding the Animal-Human Dynamics of Care
Courtney Berne	Beyond BLM: How Black Horsemen/women color human-equine kinship
Dave Simpson	Canines, COVID and Connections: Human Canine interactions during the pandemic
Sara Maaria Saastamoinen, <i>University of Hawai'i at Mānoa</i>	Cartographies of Kinship: Mapping Arctic Indigenous solidarities across marine mammal lifeworlds

## Symposium on GeoAI and Deep Learning for Geospatial Research: Urban Visual Intelligence II

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Fan Zhang, Peking University

**Primary Session Chair(s):** Fan Zhang *Peking University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Junehyung Jeon	Do bike-sharing programs ensure safety from crashes? Exploring the effects of streetscape environments on bicycling accidents using image big data and deep learning
Jifei Wang	Identifying Urban Functions by Integrating Street-view Images and Human Mobility Patterns based on Graph Neural Networks

Lalit Pun Magar	Comparison of plant height using RGB and LiDAR images in Soybean
Xiaobing Wei	Automated Cycleway Extraction Using Street View Images and Postprocessing
Blair Mirka	Automated Wildlife Population Density Monitoring Through Photogrammetric Distance Estimation in Camera Trap Image

## Author Meets Readers for Shannon Cram's "Unmaking the Bomb: Environmental Cleanup and the Politics of Impossibility"

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Erin Collins, Dartmouth College

**Primary Session Chair(s):** Erin Collins *Dartmouth College*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Introduction	Erin Collins <i>Dartmouth College</i>
Panelist	Melanie Malone <i>University of Washington Bothell</i>
Panelist	Andrea Marston <i>Rutgers University</i>
Panelist	Dean Chahim <i>New York University</i>
Panelist	Lindsey Dillon <i>University of California, Santa Cruz</i>

Discussant	Shannon Cram <i>University of Washington Bothell</i>
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## Pyrogeographies of the Anthropocene 2

**Type:** Paper

**Sponsor Group(s):** Biogeography Specialty Group, Hazards - Risks - and Disasters Specialty Group, Paleoenvironmental Change Specialty Group

**Primary Organizer:** Glen MacDonald, UCLA

**Primary Session Chair(s):** Glen MacDonald *UCLA*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Joan Chimezie	Holocene peatland fire reconstruction in the Appalachian Mountains of West Virginia, USA.
James Benes	Records of Burning and Drought During the Euro-American Settlement Period (1850-1950), in the Nebraska Sand Hills
Rutherford Platt	Factors Associated with Fire Refugia in Western US Forested Ecoregions

## The permanent temporary: Borders, camps, and categories II

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Md Azmeary Ferdoush, University of Eastern Finland

**Primary Session Chair(s):** Md Azmeary Ferdoush *University of Eastern Finland*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Lisa Marie Borrelli, <i>HES-SO Valais-Wallis, Switzerland</i>	Permanent temporariness as a Return-Based Approach: Syrian Refugee Integration or its Lack of it in the Neighboring Region
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Morsaline Mojid	Habitus of Non-belonging: Brewing a Sense of Impermanency amongst Refugees
Sharif Wahab, <i>Indiana University</i>	Bordering through Island: Rohingya Refugees' Political and Ecological Carcerality in Bhasan Char, Bangladesh
Borjana Lubura, <i>University of Hawaii - Manoa</i>	Hope, humanity, and inhumane conditions: Altermobilities and the self-made squat system along the Western Balkan Route
Jessica Collins-Bojovic	Redefining Serbia as a Place of Transit: A Paradox of Permanent Temporariness on the Balkan Route

## Innovations in the U.S. Census Bureau Geographic Partnership Programs Web Applications, Creating Custom Tables with Microdata Access, Combined Statistical Areas, and Poverty Data.

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** John Pollicino,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Emily Vratarich	Innovations in the U.S. Census Bureau Geographic Partnership Programs Web Applications
Craig Benson, <i>U.S. Bureau Of the Census</i>	Census Tracts in Persistent poverty in Metro Areas and Cities
Michael Riedman, <i>Census Bureau</i>	Creating Custom Tables with Microdata Access on <a href="https://data.census.gov">data.census.gov</a>
Karla Hoover	Analysis of Combined Statistical Areas

## Economic Geography of Innovation II

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Enrico Vanino, University of Sheffield

**Primary Session Chair(s):** Enrico Vanino *University of Sheffield*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Manju Adikesavan	INCLUSIVE AND GRASSROOTS INNOVATION INITIATIVES IN NEW YORK CITY, USA
Paper Discussion	
Liang-Chih Chen	Promoting and accelerating industrial transition: The gradual progression of Taiwan's traditional manufacturing sector towards Industry 4.0 trends
Paper Discussion	
Sung-Hoon Jung	The evaluation of Policies for the Regional Innovation System in South Korea
Paper Discussion	
Dale Leorke	The University and 'the Kit': Plug-in Infrastructure and Innovation Assemblages
Paper Discussion	

## Indoor and Outdoor Air Pollutants, Vulnerable Populations, and Exposures across the Life Course.

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Caroline Barakat,

**Primary Session Chair(s):** Caroline Barakat

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Jennifer Pomeroy, <i>York College of Pennsylvania</i>	Use Carbon Footprint Calculator to Assess Undergraduate Students Sustainability Attitude and Behavior: Lessons Learned
Miracle Mark	Enhancing the Effectiveness of Lead Exposure Interventions in Inner-City US Neighborhoods: A case study of Milwaukee
Christine Calleja	Toxic Land in Michigan: Using a GIS and Interactive Dashboard to Assess Contaminants for Human Health Risks
Caroline Barakat	Hidden Health Hazards...Women's Knowledge, Perceptions, and Avoidance Behaviour in relation to Toxins in Personal Care and Household Products

**Implementing just urban transitions II: How are cities operationalizing climate justice on the ground?**

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Julia Wagner, Clark University

**Primary Session Chair(s):** Claudia Diezmartinez *Boston University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Introduction	
Jennifer Brousseau	Enabling factors and constraints for advancing justice through climate adaptation: Evidence from 25 US municipalities implementing climate plans

Corgan Archuleta	Designed for Life: Unearthing Just and Sustainable Urban Design through the Daylighting of Phalen Creek
Sophie Bond	“We don’t know what we’re doing, but ...”: Just and robust decision making in Climate Change Adaptation in Aotearoa New Zealand
Claudia Diezmartinez	Implementing Just Urban Transitions: Examining the Politics of Climate Justice through the Implementation of Boston’s Building Emissions Reduction and Disclosure Ordinance
Concluding remarks	

## HRDSG Vulnerability II

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Esther Acheampong *Michigan Technological University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

Meghan Thompson	Developing a Coastal Vulnerability Web Application for Management of National Parks Assets
Esther Acheampong	Improving Geospatial Coastal Vulnerability Indices for the Great Lakes
Karen Dutko	End of Century Climate Vulnerability of Protected Areas across the Hawaiian Islands
Montserrat Pallares-Barbera UNIVERSITAT AUTONOMA DE BARCELONA	Specific challenges of urban spaces under environmental justice and climate shocks. Biodiversity on the rescue: how urban greenery is distributed by income in Barcelona

Angelika Winner, <i>CUNY - Graduate Center</i>	Resiliencies and Vulnerabilities in Community-based Food Justice Work: The Effect of COVID-19 Lockdowns on Black Food Geographies in Newark, NJ
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## Changing Geography of Parks, Forests, and other Protected Areas – Virtual 2

**Type:** Virtual Paper

**Sponsor Group(s):** Protected Areas Specialty Group

**Primary Organizer:** Terence Young, Cal Poly Pomona

**Primary Session Chair(s):** Libby Lunstrum *Boise State University*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

Abhineety Goel	Institutional Change, Resource Insecurity and Climate risk vulnerability among indigenous communities of Central India
Xochizeltzin Castaneda-Camacho , <i>CIGA-UNAM</i>	Human being, indigenous practices, and endemic plant species in the race for survival to climate change: The role of water in arid lands
Cassidy Schoenfelder	Understanding Tribal/Federal Co-Managed National Parks Through Visual Rhetoric
Libby Lunstrum, <i>Boise State</i>	Indigenous-Led Restoration: New Directions in National Parks and Conservation

## Landscape Photography Competition

**Type:** Virtual Panel

**Sponsor Group(s):** Landscape Specialty Group

**Primary Organizer:** Meredith Whitten, London School of Economics & Political Science

**Primary Session Chair(s):** Meredith Whitten *London School of Economics & Political Science*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 11

**Presentations (if applicable) and Session Agenda:**

**Listening session 1: AAG Mentoring Task Force**

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jack Swab, University of Kentucky

**Primary Session Chair(s):** Jack Swab *University of Kentucky*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Antoinette WinklerPrins
Panelist	Clare Beer <i>Loyola Marymount University</i>
Panelist	Mark Barnes <i>Morgan State University</i>
Panelist	Selima Sultan <i>University of North Carolina-Greensboro</i>
Panelist	Francis Magilligan <i>Dartmouth University</i>

**Future Map: The Convergence of Generative GeoAI, Population Synthesis, and Agent-Based Modeling to Develop Geographic Futures for Climate and Sustainability Assessments**

**Type:** Panel

**Sponsor Group(s):** Climate Specialty Group

**Primary Organizer:** Carter Christopher, Oak Ridge National Laboratory

**Primary Session Chair(s):** Carter Christopher *Oak Ridge National Laboratory*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319B, Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Wenwen Li <i>Arizona State University</i>
Panelist	Andrew Crooks <i>University of Buffalo</i>
Panelist	Carter Christopher <i>Oak Ridge National Laboratory</i>
Panelist	Alison Heppenstall <i>University of Glasgow</i>
Panelist	Samantha Arundel <i>US Geological Survey</i>

### **Advances in Understanding Land-Atmosphere Interactions and Their Role in Climate System 2**

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Human Dimensions of Global Change Specialty Group, Remote Sensing Specialty Group

**Primary Organizer:** Shobha Yadav, Texas A&M University

**Primary Session Chair(s):** Yaqian He *University of Central Arkansas*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

Anthony Cummings	The Potential for Conflict as Determined By Land-use and Land-Cover Change
Eungul Lee	Land and atmosphere interactions amplifying the wildfires in southeastern Australia
Shobha Yadav	Identification of Socioeconomic and Environmental factor for Quantifying Land Cover Change

Patrick Danielson	Processing and quantifying the results of recent land cover change in U.S. landscapes.
Yaqian He, <i>Dartmouth College</i>	Land cover and land use change impacts on regional climate extremes in China using remote sensing and climate model

## The Future of University Cartography Labs 2: Student Experience and Creating New Spaces

**Type:** Panel

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Alicia Cowart, University of Wisconsin-Madison

**Primary Session Chair(s):** Robert Roth *University of Wisconsin-Madison*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Amanda Rees <i>University of Colorado Denver</i>
Panelist	Lily Houtman <i>The Pennsylvania State University</i>
Panelist	Nick Lally <i>University of Kentucky</i>
Panelist	Cerian Gibbes <i>University of Colorado - Colorado Springs</i>

## Narratives of Crisis, Crisis of Narratives: Fact, Fictions, and Futures V (Roundtable)

**Type:** Panel

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Richa Nagar,

**Primary Session Chair(s):** Abdul Aijaz *University of Kentucky*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Richa Nagar
Sarah Hunt
Efadul Huq
Kahina Meziant
Abdul Aijaz

**AAG 2024 Symposium on Geospatial Data Science for Sustainability: Ethics in Geospatial AI and Data Science**

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Shaowen Wang, UIUC

**Primary Session Chair(s):** Shaowen Wang *UIUC*

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Peter Darch <i>University of Illinois Urbana-Champaign</i>

Panelist	Mike Goodchild <i>University of California, Santa Barbara</i>
Panelist	Bo Zhao <i>University of Washington</i>
Panelist	Clancy Wilmott <i>University of California, Berkeley</i>
Panelist	Peter Kedron <i>University of California, Santa Barbara</i>

## Climate and Precipitation

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Alex Haberlie

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

JIALI FENG	Impacts of a Large-scale Adaptive Blending Scheme for GRAPES on Regional Forecasts – A Case Study of Typhoon Haima
Neil Debbage	Weakly Forced Thunderstorms in the Southeast US Are Stronger Near Urban Areas
Jeff Lee	Decadal Global Wind Speed Trends Detected with ERA5 Reanalysis Data
Alex Dye, <i>Oregon State University</i>	The foggiest idea: A multi-method foray into the where, when, why, and how of Oregon's summertime coastal fog
Alex Haberlie	Mesoscale Convective System Activity in the United States Under Intermediate and Extreme Climate Change Scenarios

## Networks and Location in Economic Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sarah Snow

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

homa hedayat	Social Relations and Placemaking in Urban Design: Exploring the Impact of Community Engagement on Public Spaces
Mariachiara Barzotto	New Working Spaces: a revival of the Italianate industrial districts
Jordan Smith	Income Generation and Distribution in Western National Park Gateway Communities
Iskar Waluyo	Assessing Los Angeles' Creative Economy Network
Meimei Lin, <i>Georgia Southern University</i>	Identifying Social Infrastructure in the City of Savannah through an Intercept Survey

## Development Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jakob Engel

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Kamal Alsharif, <i>University of South Florida, School of Geosciences</i>	Florida Community Redevelopment Agencies (CRAs) Officials Perception of Brownfields Redevelopment and Sustainable Development
Tomasz Komornicki	Resilience of regions and local units and their position in the European space of flows

Stephen Buckman, <i>Clemson Univeristy</i>	The Redevelopment of Rio de Janeiro's Port: The use of Land Value Capture and Port Maravilha development
Lacey Harris-Coble	The geography of agricultural trade in West Africa: A network approach
Jakob Engel	Aalsmeer in transition: responses of the Dutch flower industry to exogenous crises.

## Geographies of Displacement & Belonging 2

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Orhon Myadar,

**Primary Session Chair(s):** John Overton

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Enkh-Amgalan Sandag	Impact of climate change on localization and settlement of the rural population of Mongolia and adaptation possibilities
Sudikshya Bhandari, <i>University of California Davis</i>	Using participatory design methodologies with Nepali immigrants to explore spatial impacts of diasporic homemaking
Jemima Nomunume Baada	The Limits of Migration as an Adaptation Strategy Towards Climate Change Effects
John Overton	narratives of change in Oceania: Exploring multiple ways of understanding

## Environmental Geographies: GIS & Remote Sensing

**Type:** Guided Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Zelalem Bedaso

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Melina Kompella	Geospatial Analysis for Post-Fire Forest Management in California's Coastal Redwood Ecosystem
Md Salman Bashit	Creating Practicability Envelopes for UAS Bathymetric Sonar Data Collections Across a Spectrum of Inland to Coastal Waterbodies in Mississippi
Alex O'Neill	Topo-Bathymetric Modeling of High-Gradient Mountain Streams Utilizing UAS Based Structure From Motion (SFM).
Liam Killeen	Leptospirosis Risk Maps in Oahu, Hawaii, USA
Noortje Grijseels	Tree canopies as a pathway for particulate matter to forest soils across the continental U.S.
Robert Legg	Digging Deeper with Data: Archaeological Predictive Modeling Using Novel Techniques in Artificial Intelligence and Machine Learning
Cyndy Hines	The re-establishment of a Ponderosa pine forest: a multiple-scale twenty-year retrospect of The Waldo Canyon fire, Colorado
Zelalem Bedaso	Linking Precipitation and Groundwater in Ethiopia Using Isotopic Tracer

## Cities and Urban Issues

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Carola Oliveras-Rodriguez

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 9

**Presentations (if applicable) and Session Agenda:**

Ivan Mitin, <i>National Research University Higher School of Economics</i>	Local identities and place images as the means to construct attractive places in the urban periphery of Moscow, Russia
Anurupa Roy	Rethinking "Slum" Spaces
Fabiana D'Ascenzo	Urban Marginality in a Post-Imperial City. A Literary Geography of Lisbon
Shem Ikoojo Ayegba	Navigating the Path to Affordable Housing: Exploring the Impact of Public-Private Partnerships in Nigeria
Carola Oliveras-Rodriguez	Urban Growth and Constrained Land Availability in Aruba and Barbados

**Legal Geography Specialty Group Keynote: Mari Matsuda****Type:** Panel**Theme:** Reciprocal Scholarship**Sponsor Group(s):** Legal Geography Specialty Group**Primary Organizer:** Alida Cantor, Portland State University**Primary Session Chair(s):** Alida Cantor *Portland State University***Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Keynote Lecture: Mari Matsuda
Q&A

**Non-Presenting Participants**

Role	Participant
Panelist	Mari Matsuda <i>William S. Richardson School of Law, University of Hawai'i</i>

## WS2\_7: Teaching Introductory GIS using ArcGIS Online

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Instructor	Brian Baldwin
Instructor	Joseph Kerski

## Cyberinfrastructure Specialty Group Business Meeting

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Jinwoo Park, University of North Dakota

**Primary Session Chair(s):** Zhe Zhang *Texas A&M University*

**Date:** 4/17/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 324, Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

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## AAG Presidential Plenary: Rebecca Lave - Reciprocal Scholarship

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):** Rebecca Lave

**Date:** 4/17/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 310 (Lili'u Theater), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Nubia Beray Armond <i>Indiana University</i>
Panelist	Aurora Kagawa-Viviani <i>University of Hawai'i</i>
Panelist	Melanie Malone <i>University of Washington Bothell</i>

**Graduate Students Affinity Group Business Meeting**

**Type:** Meeting

**Sponsor Group(s):** Graduate Student Affinity Group

**Primary Organizer:** Nkatha Mercy,

**Primary Session Chair(s):** Nkatha Mercy

**Date:** 4/17/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 313B (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Protected Areas Specialty Group Business Meeting**

**Type:** Meeting

**Sponsor Group(s):** Protected Areas Specialty Group

**Primary Organizer:** Terry Young,

**Primary Session Chair(s):** Terry Young

**Date:** 4/17/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### China Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** China Specialty Group

**Primary Organizer:** Anthony Howell,

**Primary Session Chair(s):** Anthony Howell

**Date:** 4/17/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 320 (ʻEmalani), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Geographic Information Science and Systems Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Song Gao,

**Primary Session Chair(s):** Song Gao

**Date:** 4/17/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### CPGIS Business Meeting

**Type:** Meeting

**Sponsor Group(s):**

**Primary Organizer:** Song Gao,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 5:00 PM - 6:00 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Paleoenvironmental Change Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Paleoenvironmental Change Specialty Group

**Primary Organizer:** Adam Csank, University of Nevada, Reno

**Primary Session Chair(s):** Adam Csank *University of Nevada, Reno*

**Date:** 4/17/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Business Meeting

## Hazards, Risks, and Disasters Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Nicole Hutton,

**Primary Session Chair(s):** Nicole Hutton

**Date:** 4/17/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Military Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Military Geography Specialty Group

**Primary Organizer:** Chris Fuhrman,

**Primary Session Chair(s):** Chris Fuhrman

**Date:** 4/17/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## GIS&S Reception

**Type:** Meeting

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Song Gao,

**Primary Session Chair(s):**

**Date:** 4/17/2024 **Time:** 5:00 PM - 7:00 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

## History of Geography 1: Narratives, Memories, Biographies

**Type:** Paper

**Sponsor Group(s):** History of Geography Specialty Group

**Primary Organizer:** Jorn Seemann, Ball State University

**Primary Session Chair(s):** Dorothy Sack *Ohio University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

Mike DeVivo, <i>Grand Rapids Community College</i>	Childhood and the Making of a Geographer
Jorn Seemann	Peace Corps volunteers between fact and fiction in the 1960s: telling stories of Latin America
Kathryn Besio	A 'fairy godmother,' family, and philanthropy: Rachel Workman MacRobert and the colonial ties that bind.
Gabriela Leles Amaral	Landschaftsbild: a way of seeing and describing the world by the Jesuit Balduin Rambo SJ (1905-1961)
Dorothy Sack, <i>Ohio University</i>	The Influence of Geopolitics and War on the Career of a Twentieth Century Physical Geographer

## Geography and Forensic Human Rights Research

**Type:** Paper

**Sponsor Group(s):** Ethics - Justice - and Human Rights Specialty Group

**Primary Organizer:** Molly Miranker, Texas State University

**Primary Session Chair(s):** Molly Miranker *Texas State University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Courtney Mitchell	Spatial Analysis of Femicide in Turkey from July 2019 through July 2023
Joern Langhorst, <i>University of Colorado Denver, College of Architecture and Planning</i>	Unsettling / Unsettled Landscape: Palimpsests of Conflict, Violence and Hope
Geoffrey Boyce	Title 42 expulsions and migrant deaths in southern Arizona
Molly Miranker, <i>Texas State University - San Marcos</i>	HNDS-I: Migrant Mortality Mapping Portal Project (M3P2) -- Accounting of deaths along the US-Mexico Border
Linn Biorklund	Freedom for All Juanitas! A Body-Territory Epistemology of the Disappeared and Performative Searches Across Borders

## Addressing Barriers to Minoritized Scholars' Advancement and Success in Physical Geography Fields

**Type:** Panel

**Sponsor Group(s):** AAG JEDI Committee, Geomorphology Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Adriana Martinez, Southern Illinois University Edwardsville

**Primary Session Chair(s):** Adriana Martinez *Southern Illinois University Edwardsville*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Alan Black <i>Southern Illinois University Edwardsville</i>
Panelist	Sarah Praskievicz <i>University of North Carolina Greensboro</i>
Panelist	Adriana Martinez <i>Southern Illinois University Edwardsville</i>
Panelist	Dianna Gielstra <i>Prescott</i>
Panelist	Denielle Perry <i>Northern Arizona University</i>
Panelist	Suzanne Walther <i>University of San Diego</i>

## GeoAI and Deep Learning Symposium - Responsible GeoAI I: Privacy and Fairness

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Hongyu Zhang, McGill University

**Primary Session Chair(s):** Hongyu Zhang *McGill University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Bing Zhou, <i>Texas A&amp;M University</i>	STEP toward Responsible GIScience: Paradigms, Purposes, and Challenges
Yue Lin, <i>The Ohio State University</i>	Geo-indistinguishable masking: Enhancing privacy protection in spatial point mapping
Hongyu Zhang, <i>McGill University</i>	Location Privacy Knowledge, Attitudes, and Behaviours in Contemporary China

## Exploring Geospatial Methods and Human Dynamics to Address Challenges of the Sustainable Development Goals (SDGs) 1: Health Disparity

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Atsushi Nara, San Diego State University

**Primary Session Chair(s):** Atsushi Nara *San Diego State University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Timothy Mulrooney	Using Raster-Based Point Density Calculations to Assess and Evaluate the Availability of Food Sources
Yanjia Cao, <i>University of Hong Kong</i>	Estimating facility coverage for non-communicable disease in Malawi using hierarchical geospatial catchment areas
Kyle Fontelera	Disparities in Distance to Treatment among Imperial Valley County Residents with Cancer
Tekleab Gala	Spatial Inequality among Chicago Neighborhood Communities: The Case of Minority Children's Exposure to Lead Poisoning
Ming-Hsiang Tsou, <i>San Diego State University</i>	Addressing Disparities in Colorectal Cancer Prevention Among Hispanic Population from Los Angeles and Orange County, California

## Green Development:

**Type:** Paper

**Sponsor Group(s):** Regional Development and Planning Specialty Group

**Primary Organizer:** José Díaz-Garayúa, California State University, Stanislaus

**Primary Session Chair(s):** José Díaz-Garayúa *California State University, Stanislaus*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

José Díaz-Garayúa	Engaging Students in Geography: The Role of Directed Research
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Xunhuan Li, <i>Department of Geography, University at Buffalo</i>	Sustainable development in the poor areas of China during the implementation of Targeted Poverty Alleviation strategy
Carlos Morera Beita, <i>Nationan University, Costa Rica</i>	Ecological corridor in Costa Rica: Conectivities indexes
Carolina Mayen Huerta	Advancing the Agenda for Green Spaces through a Healthy Urban Planning Approach
Questions and Answers	

## Social-Ecological Dynamics of Wildfire 1

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Alexandra Paige Fischer, University of Michigan

**Primary Session Chair(s):** Alexandra Paige Fischer *University of Michigan*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Judith Burr, <i>The University of British Columbia</i>	Listening to Fire Knowledges: Sharing Fire Histories through Scholarly Podcasting in and around the Okanagan Valley
Jenna Tilt	What's missing? Applying the concept of "community resilience" to WUI communities
Nicole Lambrou, <i>Cal Poly Pomona</i>	Displacement after Wildfire: Navigating the Landscape of Disaster Recovery Gentrification
Discussant - Crystal Kolden	

### Non-Presenting Participants

Role	Participant
Discussant	Billie L. Turner <i>Arizona State University</i>

## Resource and environmental management

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Siqi Liu,

**Primary Session Chair(s):** Xiao Xiao

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 10

### Presentations (if applicable) and Session Agenda:

siqi liu	Research on the evaluation of Wuhan geographical data opening efficiency under the background of big data
Yue Tang	Technological security in the new era: Influencing factors and optimised strategies
Xiao Xiao	Evaluation of Land Use Eco-efficiency in Wuhan and Policy Recommendations

### Non-Presenting Participants

Role	Participant
Panelist	Xiao Xiao
Panelist	Yue Tang
Panelist	Siqi Liu
Panelist	Xuan Liu

## Remote Sensing of Terrestrial Ecosystems: Innovations and Challenges

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Yanghui Kang, University of California, Berkeley

**Primary Session Chair(s):** Yanghui Kang *University of California, Berkeley*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Han Ma	ESTIMATION OF 20M LEFA AREA INDEX FROM LANDSAT AND SENTINEL-2 DATA USING A DEEP LEARNING APPROACH
David Hughes	Automated queuing for change detection based on hyperspectral and LiDAR inputs
Wenli Huang	Forest Canopy Height Mapping via Fusion of GEDI and Multi-Source Data
Xiaoyong Xu	Assimilation of satellite soil moisture and terrestrial water storage products in a fully-integrated groundwater-surface water model
Min Xu	Long-term water quality changes in Biscayne Bay derived from satellite observations and machine learning

## Experiences in Co-creating Sustainability Strategies across Regions and Cultures using Living Labs and Participatory Methodologies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mihaela Sima, Institute of Geography, Romanian Academy

**Primary Session Chair(s):** Mihaela Sima *Institute of Geography, Romanian Academy*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kathryn Sullivan	Fostering Environmental Justice through Community-Based Strategies: Addressing Wildfire Risks, Collective Action Challenges, and Policy Implications
Jessica Barlow	Community-based participatory mapping for a more accurate and meaningful brownfields inventory
Daniel Kpienbaareh, <i>Illinois State University</i>	Leveraging local knowledge, agroecology, and land ownership structure for improving forest quality and promoting community-based restoration
Mihaela Sima	Stakeholders' engagement in climate change and land management. Lessons learnt from the Lower Danube Basin, Romania
Isabel Qi	A bay-centered socio-spatial imaginary: explaining regional climate adaptation planning in the San Francisco Bay Area

## Vegetal Geographies 3

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Paul Moss, University of Minnesota, Department of Geography, Environment & Society

**Primary Session Chair(s):** Paul Moss *University of Minnesota, Department of Geography, Environment & Society*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Sophie Didier	Down with lawns!
Chanelle Adams, <i>University of Lausanne</i>	Ravintsara: To and From the Madagascar highlands
Kate Reynolds	Analyzing Za'atar and Green Colonialism Narratives in the West Bank

Martina Jakubchik-Paloheimo, <i>Queens University</i>	Singing to nature: The importance of Shuar knowledge and practice for communicating with the spirit of plants in the Amazon
Presentations are followed by interactive questions/discussion between attendees and the presenters	

## Private Sovereignty: Startup Societies, Charter Cities, Cryptopias and Beyond

**Type:** Virtual Panel

**Sponsor Group(s):** Caribbean Specialty Group, Cultural and Political Ecology Specialty Group

**Primary Organizer:** Raymond Craib, Cornell University

**Primary Session Chair(s):** Raymond Craib *Cornell University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Elizabeth Bennett <i>UCLA</i>
Panelist	Raymond Craib <i>Cornell University</i>
Panelist	Mimi Sheller <i>Worcester Polytechnic Institute</i>
Panelist	Beth Gaglia <i>University of Barcelona</i>

## Disability Specialty Group Plenary Lecture: Survival in an Archive of Kin

**Type:** Virtual Panel

**Sponsor Group(s):** Disability Specialty Group, Health and Medical Geography Specialty Group, Latinx Geographies Specialty Group

**Primary Organizer:** Erin Clancy, University of Wisconsin - Madison

**Primary Session Chair(s):** Erin Clancy *University of Wisconsin-Madison*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 3

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Other	Adria Imada <i>University of California Irvine</i>

**Transportation Justice 1: Infrastructure and active mobility policies**

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Hannah King,

**Primary Session Chair(s):** Anastasia Soukhov *McMaster University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Ahmed El-Geneidy	Towards a better understanding of the link between neighborhood walkability and aging in place.
Lea Ravensbergen	Gender and Cycling in the “Global North”
Anastasia Soukhov	Who benefits from the restriction of car mobility? Multimodal accessibility inequalities of low emission zone scenarios
Matan Singer	Exploring Climate-Related Travel Barriers, Behaviors, and Mitigation Actions among Vulnerable Populations in Israel
Julie Cidell, <i>University of Illinois</i>	Beyond the tracks: the environmental justice implications of North American railyard redevelopment

## Cultural Geographies of Food

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Katherine Nelson,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Kelly Renwick	Food Insecurity, Health Outcomes, and Barriers to Food Access among the Latino/a/x Community in the North Carolina High Country
Amy DePierre	Using Spatial History to Understand 'Foodscape' Change: Singapore's evolving relationship with hawker food, home cooking and urban metabolism
Hillary Quarles	The Platform-ed Future of Food: convenience, power and apartheid in urban food imaginaries
Jessica Ham	The Slow Enclosure of Traditional Agricultural Knowledge: A Perspective from Upper West Ghana
Cassidy Tawse-Garcia, <i>University of New Mexico</i>	Crisis Geographies: Economies of care & disaster response in New Mexico's rural land based-communities

## Returning Fire to Water: Synthesis with Indigenous Knowledge in Place 1

**Type:** Paper

**Sponsor Group(s):** Indigenous Peoples Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Sibyl Diver, Stanford University

**Primary Session Chair(s):** Sibyl Diver *Stanford University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Paul Hodge	Sacredness of Fire and Water: Learning from Gumbaynggirr Country, Australia
Sarah Dickson-Hoyle, <i>University of British Columbia</i>	Healing our lands in an era of "great winds, fires and floods": teachings from Secwépemc knowledge and oral tradition
Jessica Weir, <i>Western Sydney University</i>	Fire and Water– the decolonial possibilities of difference and the imperative of return

**Non-Presenting Participants**

Role	Participant
Panelist	Jessica Weir <i>Western Sydney University, Institute for Culture and Society</i>
Panelist	Sibyl Diver <i>Stanford University</i>
Panelist	Paul Hodge <i>University of New Castle</i>
Panelist	Sarah Dickson-Hoyle <i>University of British Columbia</i>

**Virtual Career Mentoring II**

**Type:** Virtual Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 6

**Presentations (if applicable) and Session Agenda:****Non-Presenting Participants**

Role	Participant
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Role	Participant
Discussant	Shaun Williams <i>Center for Naval Analyses</i>
Discussant	Catherine dL. Tan <i>Cambridge University</i>
Discussant	Brian Baldwin <i>Esri</i>
Discussant	Sunita Yadav-Pauletti <i>USDA</i>
Discussant	David Arfa <i>Cook County, Illinois</i>
Discussant	Liora Sahar <i>American Cancer Society</i>
Discussant	Heidi Crawford <i>U.S. Census Bureau</i>

## War and the Earth

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Military Geography Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Mark Griffiths, Newcastle University

**Primary Session Chair(s):** Mark Griffiths *Newcastle University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Zahra Khalid	Shaky grounds: adventures in military real-estate in urban Pakistan
Zsuzsanna Ihar	Dirty Earth, Dark Harvest — The wartime weaponisation of Hebridean soil
Lorah Steichen	Reinforcing Empire: Military - Conservation Alliances in the United States

Arun Saldanha -- discussant	
Mikko Joronen	Atmospheric negations: weaponising air, breathing, and intimacies of irreducible bodies in Palestine
Mark Griffiths	Late modern war and the geos

## Island Feminisms, Island Justice 1

**Type:** Paper

**Sponsor Group(s):** Feminist Geographies Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Marina Karides, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Noralis Rodríguez-Coss *Gonzaga University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Alana Kanahele	Silicon Shores: Pacific Women's Leadership in Digital Preservation
Dayshia Fiamé	Navigating Island Feminisms in the Ocean in the School
Vera Zambonelli, <i>No Affiliation</i>	Island Feminism and Filmmaking: A Thought-Provoking Analysis of Hawai'i's Locally Produced Films by Wāhine.
Aikaterini Tsampi	Is international human rights law harbouring island injustice?: the case of the 'colonial clause' of the European Convention on Human Rights
Brigitte Leilani Axelrode	Sovereign Bodies in Motion: Confronting Colonial Heteropatriarchy and Reclam(ea)tion of Indigenous Sexualities

### Non-Presenting Participants

Role	Participant
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Role	Participant
Other	Tabitha Espina <i>University of Washington</i>
Other	Dayshia s Fame <i>University of Washington</i>
Other	Aikaterini Tsampi <i>University of Groningen</i>
Other	Margaret Augustine <i>University of Prince Edward Island</i>
Introduction	Marina Karides <i>University of Hawai'i at Mānoa</i>
Discussant	Marina Karides <i>University of Hawai'i at Mānoa</i>

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: The Geospatial Component in the Decarbonization of Net-zero Emissions Energy Systems

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Edgar Virguez, Carnegie Institution for Science

**Primary Session Chair(s):** Edgar Virguez *Carnegie Institution for Science*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Alicia Zhang	Modelling the timing achievability of electricity generator retirements and additions
Chengze Lu	Unveiling the Water-Energy Nexus: A Detailed Spatio-temporal analysis in China
C. Aujean Lee	What Factors Contribute to Green School Locations?: An Analysis of LEED Certified Schools in Houston, TX
Paula Duffy	Solar Power in the UK: Physical and Socio-economic landscapes of planning acceptance

Abeer Alanazi	Energy Sovereignty and Renewable Energy Implementation in Kingdom of Saudi Arabia.
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#### Non-Presenting Participants

Role	Participant
Discussant	Edgar Virguez <i>Carnegie Institution for Science</i>

### Author Meets Critics: Damon Scott's *The City Aroused*

**Type:** Panel

**Sponsor Group(s):** Historical Geography Specialty Group, Queer and Trans Geographies Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Marcia England, Miami University

**Primary Session Chair(s):** Marcia England *Miami University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Introduction	Marcia England <i>Miami University</i>
Panelist	Andrew McCartan <i>University College Dublin</i>
Panelist	Mona Domosh <i>Dartmouth College</i>
Panelist	Jack Giesekeing
Panelist	Tamar Rothenberg <i>Bronx Community College-CUNY</i>
Panelist	Damon Scott <i>Miami University</i>

## Putting the Human back in Cartography: Designs and Practices

**Type:** Paper

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Zhaoxu Sui, University of Oregon

**Primary Session Chair(s):** Zhaoxu Sui *University of Oregon*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Bill Limpisathian	Neuro Correlates of Cartographic Visual Contrast Cognition
Nuzhat Tabassum Nawshin	User-Centered Design of Locative Audio for Mobile Cartography: A Preliminary Study
Lily Houtman	Mobile Thematic Cartography: Interviews on Design and Practice
Zhaoxu Sui	Deconstructing borders, fill-colors, and toponyms: cartography designs in the political disputed territory of Sakhalin
Yanbing Chen	Interactive Cartography and Historical Insights: Mapping a New Course for the Past in the Digital Age

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Vector-borne Diseases under Environmental Changes (1)

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Meifang Li, Dartmouth College

**Primary Session Chair(s):** Zhe Wang

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Zhe Wang, <i>University of Idaho</i>	Assessing Lyme Disease and Landscape Fragmentation Dynamics Using Spatiotemporally Weighted Regression (STWR): A Town-Level Study in Connecticut
Geoffrey Otieno	The Diffusion of Lyme Disease in Appalachia (2000-2019)
Korine Kolivras, <i>Virginia Tech</i>	Relationships between Lyme disease and land cover in Appalachia
Sadie Ryan, <i>University of Florida</i>	Mapping geographic and demographic shifts in container breeding mosquito-borne disease transmission suitability in Central and South America in a warming world

#### Non-Presenting Participants

Role	Participant
Discussant	Xiaogang Ma

## Global Foreign Direct Investment Trends and Challenges: Innovation, Institutions, and Resources during the COVID-19 Pandemic

**Type:** Paper

**Sponsor Group(s):** Business Geography Specialty Group, Economic Geography Specialty Group, Regional Development and Planning Specialty Group

**Primary Organizer:** Hao Huang, *Illinois Institute of Technology*

**Primary Session Chair(s):** Hao Huang *Illinois Institute of Technology*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

Lisha He, <i>No Affiliation</i>	The Impact of COVID-19 Pandemic on the Global FDI Network
Zoltan Gal	FDI in regional economic development revisited: the contradictory role of FDI in Central and Eastern Europe

Jinyoung Jung	Landlordised Capital: Rentier Capitalism in South Korea and Transformation of corporate's real estate strategy
Stefania Fiorentino	The business and governance of densification in different type of British cities.
Hao Huang, <i>Illinois Institute of Technology</i>	Effects of globalization and industrial structure upgrades on job quality in China

## Africa: Urban environmental challenges

**Type:** Paper

**Sponsor Group(s):** Africa Specialty Group, Cultural Geography Specialty Group

**Primary Organizer:** Mark Sciuchetti, Jacksonville State University

**Primary Session Chair(s):** Anesu Makina *University of Cape Town*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 324, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Mark Sciuchetti	Geospatial Analysis of Malaria Incidences in Urban and Informal Settings: A Case Study of Ghana
Christopher Morris	Studying Chemical Shedding While Load Shedding in Urban South Africa
Mary Mugeni	Understanding the integration of climate and urban development goals: An early exploration of policies in East Africa.
Audrey Smith, <i>University of Florida</i>	Social-Ecological and Environmental Impacts of Rapid Urban Expansion in Addis Ababa, Ethiopia
Martin Oteng-Ababio	Institutional bricolage and the provision of urban infrastructure in Tema, Ghana: elucidating the blind spots in policy throughput

## NSF funding opportunities

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** May Yuan, National Science Foundation

**Primary Session Chair(s):** May Yuan *NSF*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## WS3\_2: Research Methods Workshop – Critical Remote Sensing & the Arctic (organized by the Polar Geography Specialty Group)

**Type:** Workshop

**Sponsor Group(s):** Polar Geography Specialty Group

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):** Mia Bennett *AAG Polar Geography Specialty Group and University of Washington*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Instructor	Mia Bennett <i>University of Washington</i>

## The Pre-GISP Exam (Opportunity III)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tony Spicci, GISP Certification Institute

**Primary Session Chair(s):** Jochen Spicci *GISP Certification Institute*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### HRDSG Risk communication

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Adam E. Clark *Texas State University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Adam Clark, <i>Texas State University</i>	The Use of Hazard Imagery as Metaphor in the Houston Chronicle
Guangxiao Hu	Will the current media-specific regulations exacerbate the environmental inequality?
America Gaviria Pabon	Equality and Inequality in Severe Weather Warnings: A Comparison of English and Spanish Speaking Populations
Colby Clark	The function of geographical context in explaining ecological complexity
Piotr Jankowski	Comparing Adjacent and Bivariate Maps: A Study on Enhancing Uncertainty and Sensitivity Analysis Communication in Geodiversity Assessment

#### Agrarian-urban entanglements 1: The right to the rural?

**Type:** Virtual Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Madeleine Fairbairn, University of California Santa Cruz

**Primary Session Chair(s):** Kian Goh *University of California Los Angeles*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 11

**Presentations (if applicable) and Session Agenda:**


**Non-Presenting Participants**

Role	Participant
Panelist	Danya Al-Saleh <i>University of Washington</i>
Panelist	Laura Barraclough <i>Yale University</i>
Panelist	Levi Van Sant <i>George Mason University</i>
Panelist	Michael Woods <i>Aberystwyth University</i>

**AAG Council Award for Best Student Paper at a Regional Division Meeting (#1)****Type:** Virtual Panel**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Ashley Wallace,**Primary Session Chair(s):** Ashley Wallace**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 1**Presentations (if applicable) and Session Agenda:****Non-Presenting Participants**

Role	Participant
Panelist	Enrique de la Rosa <i>NESTVAL</i>
Panelist	Maddy Kroot <i>NESTVAL</i>
Panelist	Veronica Gomes <i>Middle States</i>
Panelist	Jacqueline Ganter <i>Middle States</i>

Panelist	Ryleigh Choplin <i>SEDAAG</i>
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## Engaging biocultural and relational approaches to care-based stewardship 1: Dialogue for transformation (Virtual)

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Lindsay Campbell, Northern Research Station, USDA Forest Service

**Primary Session Chair(s):** Natalia Piland

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Michelle Johnson	Relationships of sustenance and care: Foraging from and stewardship of urban public trees in Valledupar, Colombia
Maiko Nishi	Rural-urban interface as a social field of negotiating multiple values of farmland: Collective stewardship through tenancy arrangements in the Japanese suburban context
Johan Enqvist	Caring for unruly natures: Approaches to embrace and study subjectivity in stewardship of Cape Town's urban baboons
Hugo Rochard	Eco-centric justice and more-than-human urban commoning in civic practices: crossing experiences of three stewardship action groups (New York City, Paris and Arnhem)

### Non-Presenting Participants

Role	Participant
Discussant	Cassidy Schoenfelder <i>University of Arizona</i>

## Sustainable agriculture

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Fanya Qin, The University of Tokyo

**Primary Session Chair(s):** Fanya Qin *The University of Tokyo*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Lei Song	Balancing agricultural benefits and ecological costs: pathways to address the land gap of agriculture in Tanzania
Felipe Da Silva Machado, <i>Universidade Federal Do Rio De Janeiro</i>	Socio-productive strategy and small-scale agriculture in the context of rural change in the north of Rio de Janeiro State, Brazil
Asif Ishtiaque	Examining climate smart agriculture adoption in South Asia: Leveraging machine learning models to identify the key factors

## What now? Reflections on the 2020 Redistricting Cycle and thoughts towards 2030

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jim Thatcher, Oregon State University

**Primary Session Chair(s):** Jim Thatcher *Oregon State University*

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panelists present and reflect on the 2020 redistricting cycle
Audience and panelists ask questions of one another
Introductions and wrap up.

## Non-Presenting Participants

Role	Participant
Panelist	Rebecca Theobald <i>University of Colorado - Colorado Springs</i>
Panelist	Alexis Wood <i>University of California, Berkeley</i>
Panelist	Jacque Housel
Panelist	Ryan Weichelt <i>University of Wisconsin - Eau Claire</i>
Panelist	Gariella Subia Smith <i>University of Colorado, Boulder</i>
Introduction	Jim Thatcher <i>Oregon State University</i>

## Geospatial Health Research Symposium - Environmental health

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

MD TORIQUIL ISLAM	Contribution of Faecal Sludge and Solid Waste to Climate Change in Around Mymensingh City of Bangladesh
Dawid Wladyka, <i>University of Texas Rio Grande Valley</i>	B.R.E.A.T.H. Bike & Research: Evaluation of Air for Texans' Health
Aaron Adams, <i>University of Connecticut</i>	Exploring the relationship between of environmental noise and sleep using HowLoud inc. Soundscores
Bin Chen	Vegetation phenology and human mobility modify urban residents' exposure to greenspace

## Understanding Climate Change

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Tshering Lama O'Gorman

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Monica Stefania Dumitrascu, <i>Institute of Geography, Romanian Academy, Bucharest, Romania</i>	Climate Change Perception and Adaptation Measures for Key Economic Sectors in Romania
Max Blessman	Does Geographic Region Influence Climate Change Opinions in Middle and High School Students in The United States?
Tshering Lama O'Gorman	Towards plural conceptualizations of climate change response in Nepal

## The Rise of Electric Vehicles

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Yiming Xu

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Robert Bridi, <i>No Affiliation</i>	On the Propensity to Adopt Electric Vehicles in the United Arab Emirates: An Analysis of Economic and Geographic Factors
Hao Wu	Optimizing Electric Vehicle Charging Station Layout: Analyzing the Nonlinear Impact based on User Charging Behavior
Sicheng Wang	Mapping the Ecosystem of the Automated Vehicle Industry in the US

Gaurav Dubey	Not just a fuel change: electrification and the shifting politics of urban bus systems in India
Yiming Xu	Exploring Spatial Heterogeneity of E-scooter's Relationship with Ridesourcing using Explainable Machine Learning

## Geography of Population and Housing

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Mari Vaattovaara

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Gainbi Park	Growth and Decline: Unfolding Landscapes of U.S Demographic Changes using a Contextual Approach
Wei Kang	Examining the Impact of State Policy's High Opportunity Area Incentives on Siting Patterns of Low-Income Housing Tax Credit Developments in the United States
Ahoura Zandiatashbar	Housing Value Variation Across the U.S. High-Tech Economic Geography
Mari Vaattovaara	Sustainable of segregated - analysis of urban development in Helsinki metropolitan area

## Legal Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Legal Geography Specialty Group

**Primary Organizer:** Alida Cantor,

**Primary Session Chair(s):** Alida Cantor

**Date:** 4/18/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**WS3\_1 Improving Food-Energy-Water-Nexus-based Education: Defining new research directions from problems of practice**

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Chelsie Romulo,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 8:00 AM - 11:00 AM **Room:** 323C, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**VWS3\_1 Introduction to deep learning for satellite imagery and geospatial data**

**Type:** Virtual Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Benoit Parmentier,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 8:30 AM - 2:30 PM **Room:** Virtual 14

**Presentations (if applicable) and Session Agenda:**

**History of Geography 2: Moments, People and Maps**

**Type:** Paper

**Sponsor Group(s):** History of Geography Specialty Group

**Primary Organizer:** Jorn Seemann, Ball State University

**Primary Session Chair(s):** Jorn Seemann *Ball State University*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Judith Tyner	Threads of Cartography
Andrew Milson, <i>University of Texas - Arlington</i>	Mapping the Purchase: The Ouachita River Expedition, 1804-1805
William Helmer, <i>No Affiliation</i>	The Old Spanish Trail in Pahrump Valley, Nevada—Threatened but Worth Preserving
Heike Jöns, <i>Loughborough University</i>	Making the global university: UC Berkeley, modern research cultures, and American imperialism in the Pacific, 1873–1941
Clark Akatiff, <i>Palo Alto</i>	Virtual Communities in Geography: Geozoom

**Climate change impact on water pollution and air pollution****Type:** Paper**Sponsor Group(s):** AAG Climate Action Task Force, Water Resources Specialty Group**Primary Organizer:** Jingyu Wang, City University of New York**Primary Session Chair(s):** Jingyu Wang *City University of New York***Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Rachel Olawoyin	Urban Heat Islands and Energy Consumption in the Greater Accra Metropolitan Area, Ghana
Jingyu Wang	Climate change impact on water pollution and air pollution in New York City
Lorenzo Moreno	E Coli pollution of sewer and stormwater systems
Huan Feng	Characterization of Spatial and Temporal Variations in Nutrient Concentrations and Fluxes in Northern New Jersey Rivers, USA

Haibin Su, <i>Texas A&amp;M University Kingsville</i>	Remote sensing of water quality of African Great Lakes by integrating multi-sensor Earth observations and machine-learning models
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## The Intellectual Migration Analytics: Moving between China and North America

**Type:** Paper

**Sponsor Group(s):** China Specialty Group, Ethnic Geography Specialty Group, Population Specialty Group

**Primary Organizer:** Wei Li, Arizona State University

**Primary Session Chair(s):** Yining Tan *University of Arizona*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Wei Li, <i>Arizona State University</i>	The Intellectual Migration Analytics: an introduction
Min-Jung Kwak	The Role of Placeness Between Intellectual Gateway and Intellectual Periphery: A Case Study of Chinese International Student Experiences
Eugena Kwon	The impact of the COVID 19 pandemic on motivation to stay: a comparison between Chinese and non-Chinese international students in Nova Scotia, Canada
Yining Tan, <i>University of Arizona</i>	Intellectual capital and student mobility

### Non-Presenting Participants

Role	Participant
Panelist	wei Llasu
Panelist	Min-Jung Kwak <i>SMU</i>
Panelist	Eugena Kwok <i>Trent University</i>

Panelist	Yining Tan <i>Univ. of AZ</i>
Discussant	Elaine Ho <i>National University of Singapore</i>

## Creative Methods in Geography Panel

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural Geography Specialty Group, Feminist Geographies Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Ellie Cleasby, University of Washington

**Primary Session Chair(s):** Ellie Cleasby *University of Washington*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Siobhán Wittig McPhee
Panelist	Betta Manalo
Panelist	Jin-Kyu Jung
Panelist	Valentina Albanese

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Multiscale Mapping That Works: Harnessing Intelligent Methods for Cartographic Display and Analysis

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Barry Kronenfeld, Eastern Illinois University

**Primary Session Chair(s):** Larry Stanislawski *USGS Center for Excellence in Geospatial Sciences*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Izabela Karsznia	Don't Hate, Automate! Settlement Selection with the Use of Machine Learning.
Iga Ajdacka, <i>University of Warsaw</i>	The role of the physical-geographical variables in the automatic selection of rivers
Pengbo Li	Automated Generalization under the Constraints of Similarity, Visual Clarity, and Semantics
Barry Kronenfeld, <i>Eastern Illinois University</i>	Exact computation of Hausdorff and average distance between polylines to support intelligent multiscale mapping
Larry Stanislawski, <i>USGS Center for Excellence in Geospatial Sciences</i>	Assessment of Density Pattern Retention for Generalized Data

**Author Meets Readers: Celeste Winston's How to Lose the Hounds: Maroon Geographies and a World beyond Policing**

**Type:** Panel

**Sponsor Group(s):** Black Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** LaToya Eaves, University of Tennessee, Knoxville

**Primary Session Chair(s):** LaToya Eaves *University of Tennessee, Knoxville*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**


**Non-Presenting Participants**

Role	Participant
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Role	Participant
Panelist	Celeste Winston
Panelist	Adam Bledsoe
Panelist	Danielle Purifoy
Panelist	Ashanté Reese
Panelist	JT Roane
Panelist	Alex Moulton

## Urban and ecological observations in the US Midwest and Inland Northwest

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Stephen Tsikalas, Eastern Washington University

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 12

### Presentations (if applicable) and Session Agenda:

Stephen Tsikalas, <i>Eastern Washington University</i>	Exploring Summer Heat and Moisture Trends in Inland Washington and Northern Idaho, 1993-2022
Dana Habeeb, <i>Indiana University</i>	Identifying Local Climate Zones in US Midwestern Cities: A Comparison of Methods
Lucas Kaufmann	The spatial and temporal impacts of land use and climate on the abundance of grassland bird species in Iowa from 2001 to 2019
Anila Narayana	Characterizing motivations for urban gardening: Denver, Colorado

## Working at a Two-year or Community College: What is it Like, what to Expect, and How to Get the Job

**Type:** Panel

**Sponsor Group(s):** Community College Affinity Group

**Primary Organizer:** Patrick Shabram, Front Range Community College

**Primary Session Chair(s):** Patrick Shabram *Front Range Community College*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:


### Non-Presenting Participants

Role	Participant
Panelist	Dustin Tsai <i>San Joaquin Delta College</i>
Panelist	Tamara Biegas <i>Harford Community College</i>
Panelist	Tamar Rothenberg <i>Bronx Community College - CUNY</i>

## Big Data Computing for Geospatial Applications (1)

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Huan Ning, Pennsylvania State University, US

**Primary Session Chair(s):** Zhenlong Li *Pennsylvania State University*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Sowmya Selvarajan	Geospatial Assessment and Monitoring of Harmful Algal Blooms in Utah Lake Using Google Earth Engine and Remote Sensing Models
Shiqi Wang	Exploring Spatial Accessibility and Service Quality of General Practitioners in Aging Communities in Scotland

Mengqi LI	Reconstructing High-Resolution DEMs from 3D Terrain Features using Conditional Generative Adversarial Networks
Esther Amoako, <i>University of Toledo</i>	Analyzing underlying Predictors of crime in Chicago Census Tract Using Panel Data
Hua Liu, <i>Old Dominion University</i>	A spatial-temporal analysis of COVID-19 spread based on wastewater and COVID-19 surveillances

## Exploring Geospatial Methods and Human Dynamics to Address Challenges of the Sustainable Development Goals (SDGs) 2: Sustainable Development

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Atsushi Nara, San Diego State University

**Primary Session Chair(s):** Jessica Embury *San Diego State University*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Deseret Weeks, <i>University of California - Merced</i>	Sense of Place and Perceived Impacts in the Rural Industrialized Nexus: Insights for Sustainability Pathways
Isaiah Lyons-Galante	Assessing Impact of Rural Electrification with Mini-Grids Using Remote Sensing
Christopher Swindell	The Impacts of COVID-19 on Retail Foot Traffic: An Event Study Approach
Edwin Alejandro Ramírez-Aguilar	An exploratory multivariate statistical approach to contextualize urban building energy use with census-tract information.
Sabina Shaikh	A Participatory Urban Future: Active Based Learning Approaches to Sustainable Cities

## Flowing Together: Navigating the social-ecological connections of urban rivers

**Type:** Paper

**Sponsor Group(s):** Urban Geography Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Erin Dascher, Eastern Washington University

**Primary Session Chair(s):** Erin Dascher *Eastern Washington University*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Boris Braun	Soundscapes of "nature": Noise pollution in nature conservation and river restoration areas
Woonsup Choi, <i>University of Wisconsin-Milwaukee</i>	Hydrological Drought Characteristics in Urban Catchments: The Case of the Milwaukee River Basin in Wisconsin
Adriana Martinez, <i>Southern Illinois University Edwardsville</i>	Rio Grande Border Militarization: Assessing Border Fence and Buoy Impact on the River and Migration
Alison Elder	Collaborative Governance and Environmental Justice in Urban Rivers Restoration
Erin D. Dascher, <i>Eastern Washington University</i>	Proximity and Regionality: Recognizing Wild and Scenic River Gateway Communities

## Animal Geographies Specialty Group Graduate Student Presentation Competition

**Type:** Virtual Panel

**Sponsor Group(s):** Animal Geography Specialty Group

**Primary Organizer:** Kylie Yuet Ning Poon, University of California, Los Angeles

**Primary Session Chair(s):** Kylie Yuet Ning Poon *University of California, Los Angeles*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 9

### Presentations (if applicable) and Session Agenda:

Student Presentation Competition
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### Non-Presenting Participants

Role	Participant
Panelist	Aleksandra Craine <i>University of Kentucky</i>
Panelist	Tung Yee Tsang <i>McGill University</i>
Panelist	Qianru Liao <i>University of Maryland, College Park</i>
Panelist	Martin Sinel <i>University of Western Ontario</i>
Panelist	Austin J. Martin <i>Temple University</i>

### The Past, Present, and Future of GIScience

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Lei Zou, Texas A&M University

**Primary Session Chair(s):** Bandana Kar *U.S. Department of Energy*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:


### Geographies of Hope-in-Praxis

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Julianne Hazlewood, UC Santa Cruz and Roots & Routes IC

**Primary Session Chair(s):** Julianne Hazlewood *UC Santa Cruz and Roots & Routes IC*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Introduction	
Juli Hazlewood	Be(y)on(d) the map: Collaboratively activating Geographies of (De)CO2loniality/H2Ope in the Ecuadorian Chocó borderlands
Sarah Wright	Towards an affective politics of hope: Learning with land struggles in the Philippines
Elisabeth Middleton	Geographies of hope in cultural resources protection
Garrett Graddy-Lovelace, <i>American University School of International Service</i>	Towards Abolitionist Agrarian Geographies of Kentucky
Discussant	
Q&A	

### Non-Presenting Participants

Role	Participant
Panelist	Julianne Hazlewood <i>UC Santa Cruz and Roots &amp; Routes IC</i>
Panelist	Sarah Wright <i>University of New Castle</i>
Panelist	Beth Rose Middleton Manning <i>University of California, Davis</i>
Panelist	Garrett Graddy-Lovelace <i>American University</i>
Discussant	Ulrich Oslender <i>Florida International University</i>

### Border Regions, Peripheral Areas and Territorial Development

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Bianca Mitrica, Institute of Geography, Romanian Academy, Romania

**Primary Session Chair(s):** Bianca Mitrica *Institute of Geography, Romanian Academy*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Javier Revilla Diez, <i>University of Cologne</i>	Agency based approaches to Path Creation: The Case of Tourism Value Chains in Namibia, Zimbabwe, and Botswana
Xiqian Zhang	Built Up Cities Intergration: the Spatiotemporal Characteristics and Evidence of Cross-Border Travel in Hong Kong and Shenzhen
Ines Grigorescu	Regional Disparities and Future Trends in the Urban Sprawl Phenomenon in Romania
Tahmid Rouf	Superdiversity, marginality and resistance - Bangladeshi Diasporic Civic Organizations (DCOs) in Toronto, Canada
Hannah Rosenblum	Cross-border gridded population mapping: a case study of the Democratic Republic of the Congo and Zambia
Bianca Mitrica	Territorial competitiveness, cohesion and sustainability in Romania's urban border areas

## Transportation Justice 2: Theory and methods within mobility justice

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Hannah King, UCLA

**Primary Session Chair(s):** David Duran-Rodas

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Mimi Sheller, <i>Drexel University</i>	Toward gender-transformative planning: Centering feminist mobility justice in applied fields
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David Duran-Rodas	What is mobility (in)justice and why should we fight it? Insights from an international symposium
Helen Fitt	“The main thing wrong with [the system] is the users”: A practice ecologies approach to assessing attempts to reduce transport disadvantage with shared mobility
Nicholas Puczkowskyj, <i>Portland State University</i>	Expanding transmobilities: An art-informed methodology for genderdiverse travel behavior

## Disaster Decolonization: Tools for Building Transterritorial Solidarity Against Eco-capitalist Extractivism in times of Climate Change

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Janin Guzman-Morales, University of California President's Postdoctoral Scholar

**Primary Session Chair(s):** Amrah Salomón *University of California, Santa Barbara*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 13

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Theodora Dryer <i>Water Justice and Technology</i>
Panelist	Janin Guzman-Morales <i>University of California President's Postdoctoral Scholar</i>
Panelist	Emma Harrison <i>Dalhousie University</i>
Panelist	Jessica Ng <i>Princeton University</i>
Panelist	Marlene Brito-Millan <i>Loyola University Chicago</i>

Panelist	Gabriela Kovats Sanchezmbritomillan@gmail.com
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## Place & the Social-Spatial Determinants of Health Symposium 1

**Type:** Paper

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Wataru Morioka, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Marynia Kolak *University of Illinois at Urbana-Champaign*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Erica Ho	Establishing a Longitudinal Healthy Places Index for the United States: A Pilot Study of Los Angeles County (2004-2019)
Han Shen	Defining Asian Enclaves in Los Angeles County: Mapping Population Clusters, Sociocultural Features, and Unraveling Health Disparities
Xining Yang, <i>Eastern Michigan University</i>	Geospatial Perspective on Racism and Firearm-Related Risks Among Asian Americans in the United States
Qinyun Lin	A Social-spatial Network Approach to Characterize Social Determinants of Health in Syndemics Research within an Intersectionality Framework
Wataru Morioka, <i>University of Illinois at Urbana-Champaign</i>	Usage Analysis of Opioid Environment Policy Scan

## Island Feminisms, Island Justice 2

**Type:** Paper

**Sponsor Group(s):** Feminist Geographies Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Marina Karides, University of Hawaii at Mānoa

**Primary Session Chair(s):** Marina Karides *University of Hawaii at Mānoa*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Noralis Rodriguez-Coss	Dismantling gender roles: Women's experiences of empowerment acquiring handiwork skills in Puerto Rico
Margaret Augustine	Women living on small, peripheral islands are super-heroes: photos and stories of gendered work, citizenship and mobilities on and off Gozo, Malta.
Sofia Zaragocin, <i>FLACSO-Ecuador</i>	Feminisms in the Galápagos Islands: bridging Latin American Feminist Political Ecology and Island Feminisms.
Giovanna Gini, <i>University of Oxford</i>	Feminist Leadership and Decolonial Practices in Climate Change Resistance: The Case of Enseada da Baleia on Cardoso Island, Brazil
Merrill Baker-Médard	Feminist conservation: paradox or paragon

**Non-Presenting Participants**

Role	Participant
Other	Noralis Rodríguez-Coss <i>Gonzaga University</i>
Other	Alana Kanahele <i>University of Hawai'i at Mānoa</i>
Other	Sofia Zaragocín <i>Universidad San Francisco de Quito</i>
Other	Giovanna Antonella Gini <i>University of Oxford</i>
Other	Mez Baker-Médard <i>Middlebury College</i>

**Symposium on Human Dynamics Research: Human Dynamics Research in Action****Type:** Paper**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Transportation Geography Specialty Group

**Primary Organizer:** Shih-Lung Shaw, University of Tennessee, Knoxville

**Primary Session Chair(s):** Shih-Lung Shaw *University of Tennessee, Knoxville*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 312 (Nī ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Ling Yin	Deep-Reinforcement-Learning-based Optimization for Intra-urban Epidemic Control Strategies Considering Spatiotemporal Orderliness
Yung-Ming Tsai, <i>University of Tennessee</i>	Modeling recreational visits in national park with physical distance and semantic distance in a hybrid physical-virtual world
Mengqi Sun	Understanding changes of spending behavior in cities during early COVID-19 stages: A nation-wide study of South Korea
Hsiang-Chun Chen	Diffusion and evolution of time geography from 1980 to 2023
Shih-Lung Shaw, <i>University of Tennessee</i>	Human Dynamics Research in GIScience: Opportunities and Challenges

## The Pathway to Professionalism: Becoming a Geospatial Professional (Opportunity I)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tony Spicci, GIS Certification Institute

**Primary Session Chair(s):** Tony Spicci *GIS Certification Institute*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313B (O'ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## GeoAI and Deep Learning Symposium - Responsible GeoAI II: Justice and Accuracy

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group  
**Primary Organizer:** Hongyu Zhang, McGill University  
**Primary Session Chair(s):** Hongyu Zhang *McGill University*  
**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Qianheng Zhang	Enhancing Wildlife Classification Accuracy in Camera Trap Images using GIS-Enhanced Federated Machine Learning Approaches
Fang Fang	An quantitative evaluation of urban street trees for environmental justice
Charles Knoble	Don't Let Lead Lead on Environmental Justice: A System Dynamics Simulative Approach to Injustice Detection and Lead Remediation in the Era of Big Data
Yizhou Wang	Do Gated Communities Aggravated Urban Green Space Disparity: A Case Study in Panyu District, Guangzhou

## Returning Fire to Water: Restoration with Indigenous Knowledge in Place 2

**Type:** Paper

**Sponsor Group(s):** Indigenous Peoples Specialty Group

**Primary Organizer:** Sibyl Diver, Stanford University

**Primary Session Chair(s):** Sibyl Diver *Stanford University*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Ron Reed	Pathways to healing: Indigenous revitalization through family-based land management of interconnected firesheds and watersheds (Klamath Basin, CA)
Sibyl Diver, <i>Stanford University</i>	Social impact assessment of Klamath dam removal: Learning from the Karuk Tribe's leadership for eco-cultural revitalization

Susan Lares-Nakaoka	Ho'okua'āina: place-based well-being and justice
Michelle Harangody	Hālana ka mana'o: place-based connection as a source of long-term resilience

### Non-Presenting Participants

Role	Participant
Panelist	Sibyl Diver <i>Stanford University</i>
Panelist	Michelle Harangody <i>University of Hawaii at Manoa, Center for Pacific Islands Studies</i>
Panelist	Ron Reed <i>Karuk Tribe</i>
Other	Robyn Reed <i>Karuk Tribe</i>

## Putting the Human back in Cartography: Methods and Theories

**Type:** Paper

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Jack Swab, University of Kentucky

**Primary Session Chair(s):** Jack Swab *University of Kentucky*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Àlex Muñoz Viso, <i>University of Nevada - Reno</i>	'Tales from a City Ripped in Half': Mapping the emotional impacts of transport infrastructure.
TIMOTHY PRESTBY	Conceptualizing Trust in Cartography
Eric Huntley, <i>MIT</i>	But The Human is Already In There...? That's the Problem (and the Promise)

Jack Swab, <i>University of Kentucky</i>	Making Health Visible: Social Science, Census Tracts, and the Bounding of Urban Space
Patrick Kennelly, <i>LIU Post</i>	Reimagining a Classic: Map Use, the 9th Edition

## Satellite Earth Observations for Sustainable Development in South Asia

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Sharif Islam, Space Enabled, Media Lab, Massachusetts Institute of Technology

**Primary Session Chair(s):** Danielle Wood *Massachusetts Institute of Technology*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Pankaj Kanti Jodder	Assessing Urban Livability of Khulna City, Bangladesh, Using GIS Based Multi Criteria Approach
Cheolhee YOO	Assessing the Impact of Urban Industrial Land Expansion on Economic Growth and CO2 Emissions Across Various Development Levels
Gargi Chaudhuri, <i>University of Wisconsin La Crosse</i>	Impact of Mumbai Trans Harbor Link on future urbanization of the Mumbai Metropolitan Region
Sai Durga Malleswar Thota	Mapping urban-rural catchment areas taking account of multiple connectivity.

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Vector-borne Diseases under Environmental Changes (2)

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group  
**Primary Organizer:** Meifang Li, Dartmouth College  
**Primary Session Chair(s):** Xiang Que  
**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Nusrat Zahan Jarin	Spatiotemporal dynamics of Dengue vulnerability in Bangladesh: A GIS based approach
Samuel Adu-Prah	Spatiotemporal assessment of malaria elimination programs in Sub-Saharan Africa: A case of Ghana.
Madhukar Kuchavaram	Title: Predicting Culex Mosquito Distributions: A Near Real-Time mapping Using Integrated GIS Approach
Xiang Que	An EF and STWR-based approach for exploring local spatiotemporal heterogeneity of dengue transmission

**Non-Presenting Participants**

Role	Participant
Discussant	Yan Li <i>University of New Mexico</i>

**NSF Office Hours and Open Space Huddling**

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** May Yuan, National Science Foundation

**Primary Session Chair(s):** May Yuan *NSF*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Agrarian-urban entanglements 2: Toward intellectual and political solidarities

**Type:** Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Hillary Angelo, University of California, Santa Cruz

**Primary Session Chair(s):** Levi Van Sant *George Mason University*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Hillary Angelo <i>University of California, Santa Cruz</i>
Panelist	Kian Goh <i>UCLA</i>
Panelist	Kasia Paprocki <i>London School of Economics</i>
Panelist	Swarnabh Ghosh <i>Harvard University</i>
Panelist	Ayan Meer <i>Queen Mary University London</i>
Panelist	Kelly Kay <i>UCLA</i>
Discussant	J.T. Roane <i>Rutgers University</i>
Discussant	James McCarthy <i>Clark University</i>

## HRDSG Risk modeling and analysis

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Benjamin Crawford *University of Colorado Denver*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Archana Prasad	Exploring projected climate extremes in the Northeastern United States based on downscaled, bias-corrected CMIP6 data
Yuji Hara	Mapping Uncounted Anthropogenic Fill Flows: Environmental Impact and Mitigation
Cade Reesman	Towards Better Predictive Flood Inundation Modeling for Puerto Rico: Lessons Learned from Hurricane Fiona
Ben Crawford, <i>University of Colorado Denver</i>	Observations of volcanic plume chemistry and exposure in Hawaii using a distributed low-cost sensor network
Brent Daniel	Fully Two-Dimensional, Overland Flood Simulations in Seconds

## Global Development, Speculative Urbanism and Infrastructure 1

**Type:** Paper

**Sponsor Group(s):** Development Geographies Specialty Group, Economic Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Naomi Hazarika, University of Colorado Boulder

**Primary Session Chair(s):** Helga Leitner *UCLA*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Aman Banerji	Storing and Delivering Difference: Urban Peripheral Warehousing in Bangalore
Sheng Xuan	China-Sponsored Speculative Urbanism in the Global South? Complexities in Practice

Kate Maclean	The urban transformations of an ‘indigenous bourgeoisie’: Gender, aesthetics and dynamics of belonging in La Paz, Bolivia.
Trushna Parekh	Remembering Mary’s...Naturally: articulations of speculative development in the Queer South

### Non-Presenting Participants

Role	Participant
Panelist	Aman Banerji <i>Cornell University</i>
Panelist	Sheng Xuan <i>Durham University</i>
Panelist	Kate McLean <i>The Bartlett, University College London</i>
Panelist	Trushna Parekh <i>Texas Southern University</i>
Discussant	Helga Leitner <i>UCLA</i>

## AAG Council Award for Best Student Paper at a Regional Division Meeting (#3)

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Ashley Wallace,

**Primary Session Chair(s):** Ashley Wallace

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	Khuong Tran <i>Great Plains/Rocky Mountains</i>

Panelist	Tyler Pursch <i>Southwest</i>
Panelist	Chad Ramos <i>Southwest</i>
Panelist	Chris Guo <i>APCG</i>
Panelist	Caitlyn Linehan <i>APCG</i>

## Social-Ecological Dynamics of Wildfire 2

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group, Landscape Specialty Group

**Primary Organizer:** Alexandra Paige Fischer, University of Michigan

**Primary Session Chair(s):** Crystal Kolden *University of California, Merced*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

John Abatzoglou	Increasing exposure of humans to wildfires in the western US
Sara Ludwick	Evaluating How Community Wildfire Protection Plans Respond to Specific Social and Ecological Risk Drivers
Onyx Sloan Morgan, <i>University of British Columbia, Okanagan</i>	The Political Ecologies of Fire: Recasting Fire Geographies in British Columbia, Canada
Chendi Zhang	Cultivating Resilience: Evaluating Wildfire Management in California's County-Level Planning Strategies
Niki vonHedemann, <i>University of Arizona</i>	Public experiences with wildfire and flooding: a case study of the 2019 Museum Fire 2021 flooding near Flagstaff, Arizona

### Non-Presenting Participants

Role	Participant
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Role	Participant
Discussant	Billie L. Turner <i>Arizona State University</i>

## Engaging biocultural and relational approaches to care-based stewardship 2: Storytelling for self-determination and context

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Lindsay Campbell, Northern Research Station, USDA Forest Service

**Primary Session Chair(s):** Lindsay Campbell *USDA Northern Research Station*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Seth Gustafson	Oral histories and theorizing stewardship: reflections from the Habitat Stewardship Project
Crystal Drakes	Beyond the Beach: Conversations on the Blue Economy
Kelly Dombroski	Cultivating commoners: infrastructures and subjectivities for a postcapitalist counter-city
Natalia Piland	Systems of Stewardship: Multiscalar connections via relations, motivations, and context
Elizabeth Riedman, <i>Temple University</i>	Environmental justice considerations of civic stewardship: Uncovering intersectional labor dimensions within green infrastructure in Philadelphia, PA

## The JEDI (Justice, Equity, Diversity, & Inclusion) Components in the Decarbonization of Net-zero Emissions Energy Systems

**Type:** Paper

**Sponsor Group(s):** AAG JEDI Committee, Climate Specialty Group

**Primary Organizer:** Edgar Virgüez, Carnegie Institution for Science

**Primary Session Chair(s):** Edgar Virgüez *Carnegie Institution for Science*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Marilyn Brown	Lessons from the rush to create state climate action plans
Barry Solomon	The Spillover Effect of Mandatory Renewable Portfolio Standards
Edgar Virguez, <i>Carnegie Institution for Science</i>	Disparities in per capita energy consumption within and between countries
Emilia Groupp	Weathering energy geographies: Exploring the co-production of 'weather' and 'energy resources'

## GISS-SG Student Honors Paper Competition

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Gengchen Mai, University of Georgia

**Primary Session Chair(s):** Gengchen Mai *University of Georgia*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Hanlin Zhou, <i>University of Toronto</i>	Associating Dynamic Built Environmental Exposures and Active Transport
Yifei Liu	An Advanced Time-geographic Approach for Analyzing Spatio-temporal Interactions between Turkey Vultures
Jacob Kruse	The Spatially-Weighted Temporal Rich Club: Identifying Rich Clubs in Spatiotemporal Interaction Networks

Hao Tian	Unveiling Human Mobility Dynamics during Heat Waves Using Mobile Phone Location Data in the Houston Metropolitan Area
Nemin Wu	Spatial-temporal Explicit Deep Gravity Model (STExDGM) for Origin-Destination Flow Generation
Q&A	

## Equity in Geography Workshop: Liberatory Pedagogies & Abolitionist Approaches

**Type:** Virtual Workshop

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Asenette Ruiz, *trubel&co*

**Primary Session Chair(s):** Nick Okafor *trubel&co*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 5

### Presentations (if applicable) and Session Agenda:

## Rural Geography Virtual Poster Session

**Type:** Virtual Poster

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Andrew Husa, University of Nebraska-Lincoln

**Primary Session Chair(s):** Andrew Husa *University of Nebraska-Lincoln*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Santosh Subedi	AI-assisted crop damage detection and mapping using satellite remote sensing
Dan Liu	Estimation of plant area index using multispectral remote sensing and random forest regression

Steven Silvern, <i>Salem State University</i>	Farm to Campus: Results from a National Survey
Muhammad Ali Irshad	Large scale crop canopy cover estimation using satellite-UAS synergy and machine learning
Chelsea Truong	Simulating the Effects of Farmers' Restoration Decision Making in Central Malawi: Improving an Agent-Based Modeling Approach
Martin Manu	Using High-Resolution Satellite Data to Quantify Vegetation Re-greening at the Mole National Park, Ghana Mole National Park, Ghana
Gigi Allaway	Considerations in selection of participatory research methodologies for studies of women conservation groups as exemplified in coastal Kenya
Christopher Green	The Symbolic Landscape of Minor League Baseball: A Socio-Geographic Analysis of Team Logos

## Geospatial Health Research Symposium - Environmental health II

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Raymond Tutu	"Ga-Beans, Red-Red, or GOBE": Health Benefits Knowledge Disparity on Beans and Self-Rated Health among the Urban Poor in Accra, Ghana.
Lihua Cui	HEAT STRESS MITIGATION EFFECTS OF HISTORIC GARDENS AND URBAN PARKS

## WS3\_7: Research Mentoring Session – Research, Writing, and Work-Life Balance (organized by the Polar Geography Specialty Group)

**Type:** Workshop

**Sponsor Group(s):** Polar Geography Specialty Group

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):** Mia M. Bennett *University of Washington*

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Dan Grafton <i>San Diego State University</i>
Panelist	Andrey Petrov <i>University of Northern Iowa</i>

## Remote Sensing of Landscape and Crops

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** K C Suraj

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Dara Seidl	Improvements in Delineating North American Alpine Area
Jennifer Lipton	Managing and monitoring recreation impacts on public lands in Washington State
Suraj K C	Integrating manual and multi-source spatial data for monitoring industrial hemp growth dynamics and plant health

## Quantitative and Qualitative Methods for Urban Research

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Stijn Oosterlynck

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Chris Brennan-Horley	Emotional geographies of pandemic musicianship: on islanding as a vernacular creative response to crisis
Matthew Anderson, <i>Eastern Washington University</i>	(Com)passionate Revanchism and the Role of Private-Sector Coalitions in the Spatial Management of Houselessness
Alfred Weiss	Restoring Neglected and Forgotten Cemeteries: Vandalism, Tombstone Conditions, and Soil Failure.
Stijn Oosterlynck	Urban civil society and its capacity for renewal: a case study of social civil society in Ghent, Belgium

## Topics in Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session


**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Mingshuang Lian

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Michael Salmond	Digital World Building: The Real and the Unreal
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Dane Atkins, <i>University of Northern Iowa</i>	Ride or Die: A Two-Wheeler's Ethnography
Miri Powell	Tracing Minerals:  Resources and Residues in Silicon Valley
Matthew John, <i>University of Kentucky</i>	placeholder

## Health Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sandra Johnson

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sabina Bhandari, <i>UNIVERSITY OF CONNECTICUT</i>	Community Context Matters: Evaluating Adverse Community Environments for Connecticut's Children and Families
Nomcebo Dlamini	Gendered patterns of alcohol consumption among students in a rural South African college
Sandra Johnson	Is 8th Grade Reading Proficiency a Predictor of Teenage Pregnancy?

## F3\_1: Hawai'i DeTour

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Kyle Kajihiro,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 8:30 AM - 1:30 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

### Presentations (if applicable) and Session Agenda:

### F3\_3: Kaka‘ako: Sustainable Urbanism vs. Growth Machine in Honolulu's Most Developable Urban Neighborhood

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Serge Marek,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 9:00 AM - 12:00 PM **Room:** Entrance of SALT 691 Auahi Street

**Presentations (if applicable) and Session Agenda:**

### WS3\_3: Spatial Statistics and Machine Learning: Making Predictions

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

#### Non-Presenting Participants

Role	Participant
Instructor	Alberto Nieto
Instructor	Nick Giner

### AAG 2024 Symposium on Geospatial Data Science for Sustainability: Navigating Cities - Exploring Human Mobility through Innovative Geospatial Science Approaches

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group  
**Primary Organizer:** Stella Harden, Simon Fraser University  
**Primary Session Chair(s):** Stella Harden *Simon Fraser University*  
**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Priyanka Verma	Similarity Assessment of Inter- and Intra-City Mobility Patterns
Jugal Patel	Case studies in calibration: matching agent-based simulation to real world movement data
Stella Harden	Run with Feeling: A Spatiotemporal Exploration of Runner Sentiment
Renaud Le Goix, <i>Université Paris Diderot</i>	Title : LA LA Run. A critical data-driven approach of runnability and socio-economic segregation patterns in Los Angeles.

## Freshwater futures 1: knowledge and justice for a world of novel ecosystems

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group  
**Primary Organizer:** Kiely McFarlane, Cawthron Institute  
**Primary Session Chair(s):** Kiely McFarlane *Cawthron Institute*  
**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Alaric McCarthy	Three ways of using values to support just freshwater management
Rapichan Phurisamban	Knowing as Living With: toward a place-based and collaborative approach in river science
Aisling Rayne	Reworking translocation processes to enhance freshwater futures

Marc Tadaki	Fish futures: explorations in doing freshwater science differently
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## Authors Meet Critics: Nationalism by David Kaplan and Kathryn Hannum

**Type:** Panel

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Kara E. Dempsey, UNC- Appalachian State University

**Primary Session Chair(s):** Kara E. Dempsey *UNC- Appalachian State University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Kara E. Dempsey <i>UNC-Appalachian State University</i>
Panelist	Orhon Myadar <i>University of Hawaii at Manoa</i>
Panelist	Corey Johnson <i>University of North Carolina-Greensboro</i>
Panelist	Virginie Mamadouh <i>University of Amsterdam</i>
Panelist	Alexander Murphy <i>University of Oregon</i>
Discussant	David H. Kaplan <i>Kent State University</i>
Discussant	Kathryn Hannum <i>Michigan Tech University</i>

## Tourism Geographies On the Verge: The State-of-the-Art in Tourism, Space, Place and Environment

**Type:** Panel

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Mary Mostafanezhad, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Mary Mostafanezhad *University of Hawai'i at Mānoa*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Mary Mostafanezhad <i>University of Hawai'i at Mānoa</i>
Panelist	Regina Scheyvens <i>Massey University</i>
Panelist	Chris Gibson <i>University of Wollongong</i>
Panelist	Sonya Graci <i>University of Toronto</i>
Panelist	Benjamin Iaquinto <i>University of Hong Kong</i>
Panelist	Keir Reeves <i>Federation University Australia</i>
Panelist	Jamie Gillen <i>University of Auckland</i>
Panelist	Roger Norum <i>Oulu University</i>
Panelist	Joseph Cheer <i>Western Sydney University</i>

## Polar geographies: Arctic, Antarctic, Alpine, and cold region research and engagements

**Type:** Virtual Paper

**Sponsor Group(s):** Polar Geography Specialty Group  
**Primary Organizer:** Mia Bennett, University of Washington  
**Primary Session Chair(s):** Mia Bennett *University of Washington*  
**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 3

**Presentations (if applicable) and Session Agenda:**

Sweta Tiwari	A three year assessment of COVID-19 Pandemic in the Arctic: Dynamics and Insights
James Saku	The Dynamics of Environmental Review within the Inuvialuit Settlement Region
James Wilt, <i>University of Manitoba</i>	Oil spill response and the scientist-state
Joseph Gambino	Blurring the Line Between Art & Science Through Geospatial Sound Sculptures
Mindy Price	Arctic enclosures and agrarian agency in the age of climate change

**Ageing, social networks and care: Bridging the chasm between non-migrant and migrant adults**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Elaine Lynn-Ee Ho, National University of Singapore

**Primary Session Chair(s):** Elaine Lynn-Ee Ho *National University of Singapore*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Evelyn Avalos	Social Networks of Support and Older Refugees in Uganda
Grace Chan	Navigating Spatial Capital: Friendships Beyond Traditional Caregiving in Old Age

Siyao Gao	More than ageing in place: A qualitative GIS study on ‘ageing in networks’ in Singapore
Karen Ka Han Li	Social Bonding and Place Attachment of the Non-locally Born Older People in the Chinese Cross-boundary Migration Context

### Non-Presenting Participants

Role	Participant
Discussant	Elaine Lynn-Ee Ho <i>National University of Singapore</i>

## Black Matters are Spatial Matters 1

**Type:** Paper

**Sponsor Group(s):** Black Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Priscilla McCutcheon,

**Primary Session Chair(s):** LaToya Eaves

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

april l. graham-jackson, <i>University of California - Berkeley</i>	rescaling Blackness through suburbanization in chicago southland
Abena Somiah	Exploring Black Tokyo: African Placemaking in Urban Japan
Shannon Whittaker	The impact of gentrification and displacement on the health of Black residents: A concept mapping study
Priscilla McCutcheon, <i>University of Kentucky</i>	Secluded Glory: The Black Church and Brush Harbors in the Rural South
LaToya Eaves, <i>University of Tennessee</i>	“We’re sowing new possibilities for reproductive freedom in Tennessee”: The Case for Reproductive Justice in the South

## Circular Ecologies: A Geography Perspective on the Circular Economy Framework

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Lauren Mabe, University of California - Davis

**Primary Session Chair(s):** Elizabeth Castner *University of California - Davis*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Lauren Mabe	Circular Ecologies: Transformations in California's Organic Waste Regime
Zhengke ZHOU, <i>Chinese University of Hong Kong</i>	Turning Garbage into Gem: Unraveling green path creation in/through ecology with a case study of waste recycling industries in Shenzhen, China
Catherine Rowen	"I just don't want to waste it": Motivations, barriers and enablers to the adoption of participatory small-scale digestion of food waste in the US
Rou Liao	A System Dynamics Model based on Theory of Planned Behaviours to Simulate the Latest Development of Food Waste Policy in Hong Kong
Ellie Cleasby, <i>University of Washington</i>	Caring, Mending, Cleaning: Imagining More Just Communities of Care through the Domestic Workers Coalition and Kantamanto Market

## Elevating Undergraduate Student Research for Climate Justice 1 (Latin America)

**Type:** Virtual Paper

**Sponsor Group(s):** Climate Specialty Group, Graduate Student Affinity Group

**Primary Organizer:** Ivan J. Ramirez, University of Colorado Denver

**Primary Session Chair(s):** Ivan J. Ramirez *University of Colorado Denver*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 6

**Presentations (if applicable) and Session Agenda:**

Laura Zabaleta	Advancing Climate Justice in Colombia: A Case Study
Luis Vargas	Exploring how the 2023 El Niño evolved in Peru: Implications for disaster risk reduction and climate justice
Celeste Garcia	The Fossil Fuel Non-Proliferation Treaty: Eradicating the Use of Fossil Fuels and its Youth Advocacy
Stefanie Varghese	Exploring how the 2023 El Niño evolved in Ecuador: Implications for disaster risk reduction and climate justice

## The Art and Architecture of Mapping: Visual and Material Approaches to Cartographic Objects

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Susan Elizabeth Gagliardi, Emory University

**Primary Session Chair(s):** Emily Mann *University College London*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 11

**Presentations (if applicable) and Session Agenda:**

GP LeBourdais	Tracing the Arctic Regions: Digital Cartography as Historical Narrative
Susan Elizabeth Gagliardi	Gerhard Marx's Investigations of Maps as Works in Progress
Ana Pulido Rull	Native cartographers and the mapping of land in colonial New Spain
Emily Mann	Imperial Designs and Their Discontents: The Making of a Seventeenth-Century Atlas

Q&A

## 2024 JLAG Lecture: From the Water War to MAD Water: Building a Global Agenda for Water Security with Insights from Latin America

**Type:** Panel

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Latin America Specialty Group

**Primary Organizer:** Jessica Budds, Universität Bonn

**Primary Session Chair(s):** Martha G. Bell *Pontifical Catholic University of Peru*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Keynote speaker/panelist (Wutich) and various discussants

### Non-Presenting Participants

Role	Participant
Introduction	Jessica Budds <i>Universität Bonn</i>
Panelist	Amber Wutich <i>Arizona State University</i>
Discussant	Tatiana Acevedo Guerrero <i>Utrecht University</i>
Discussant	Ana Lucia Britto <i>Universidade Federal do Rio de Janeiro</i>

## Exploring Geospatial Methods and Human Dynamics to Address Challenges of the Sustainable Development Goals (SDGs) 3: Methods to Support the SDGs

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Atsushi Nara, San Diego State University

**Primary Session Chair(s):** Ming-Hsiang Tsou *San Diego State University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Rakibul Ahasan, <i>Texas A&amp;M University</i>	An integrated-interactive model to forecast urban growth-transportation development and implications for sustainability
Jessica Embury, <i>San Diego State University</i>	Detecting biased mobility patterns in a synthetic population
Kuan-Chi Wang	Struggling for access in the global South: The cases of edamame and rice agriculture in rural Thailand
Carolyn Fish, <i>University of Oregon</i>	Cartography for Sustainable Development
Atsushi Nara, <i>San Diego State University</i>	Satellite-based Geo-AI modeling approach to estimate fine-scale agricultural burning emissions in the California-Mexico border region

## Practicing Community Geography 1

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geography Education Specialty Group

**Primary Organizer:** Jennifer Mokos, Coastal Carolina University

**Primary Session Chair(s):** Jennifer Mapes *Kent State University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Timothy Hawthorne, <i>University of Central Florida</i>	Community Geography to Understand Connections Between Coastal Debris and Sense of Place
Maria Lane, <i>University of New Mexico</i>	"Native Trails" and the challenge of community engagement

Dulmini Jayawardana	Messiness of practicing community geography: Reflections from a Photovoice project in Milwaukee, WI.
Jennifer Mokos, <i>Coastal Carolina University</i>	Navigating complex relationships and broken trust in community geography research

## Agroecology & Human-Environment Relations in Food Systems

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Katherine Nelson,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Anjana Ramkumar	Reviving Traditional Rice Varieties: Resistance, commodification and the politics of agrobiodiversity in South India
Ashley Clark	Interspecies Terroir and the Making of Bug-Bitten Tea
Michael Madin	An analysis of effects of mulching on soil water evaporation and water retention for crop use and the impacts on food deserts in semi-arid climate regions
Lilly Zeitler, <i>Penn State University</i>	Do natural food environments or markets promote diet quality?
Sidney Madsen, <i>Cornell University</i>	Changing what it means to work on the land: agroecology and agrarian change in Malawi

## Transportation Justice 3: Applications and case studies of mobility justice

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Hannah King, UCLA

**Primary Session Chair(s):** Shaila Jamal *University of Toronto Scarborough*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Sara McLafferty, <i>University of Illinois</i>	Transportation Justice and Care Workers' Daily Commutes: Insights from the New York Region
Te-Hsin Chi	Justice in Urban Road Space Allocation Between Transportation Modes - A Case Study of Taipei City
Jesus Barajas	Reassessing traffic safety: Conditions and causes of dangerous streets and their implications for racial justice
Shaila Jamal, <i>McMaster University</i>	The interrelationships among complete communities, access to amenities, housing, and quality of life: A conceptual framework focusing on disadvantaged individuals in Canada
Hannah Hook, <i>Ghent University</i>	Chauffeuring trips and the gendered unpaid labor burden among Tel-Aviv's cultural groups

**Symposium on Human Dynamics Research: Human Dynamics meets GeoAI**

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Xinyue Ye, Texas A&M University

**Primary Session Chair(s):** Xinyue Ye *Texas A&M University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

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**Non-Presenting Participants**

Role	Participant
Panelist	Wenwen Li
Panelist	Shaowen Wang
Panelist	Di Zhu
Panelist	Yuhao Kang
Panelist	Song Gao

## Now Hiring I: Academic Career Paths for Geographers

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Debarchana Ghosh <i>University of Connecticut</i>
Discussant	Paul McDaniel <i>Kennesaw State University</i>
Discussant	Mario Mighty <i>University of North Alabama</i>
Discussant	Jennifer Pomeroy <i>York College of Pennsylvania</i>
Discussant	Selima Sultana <i>University of North Carolina Greensboro</i>

## Place & the Social-Spatial Determinants of Health Symposium 2

**Type:** Paper

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** José Alavez, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Marynia Kolak *University of Illinois at Urbana-Champaign*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Douglas Tharp, <i>University of Utah</i>	Social Isolation as Distinct from Geographic Isolation Is a Driver of Suicide in the Latinx Community
Elizabeth Ackert	Resources for Health within Latinx Communities: A Social-Spatial Determinants of Health Perspective
Yilin Lyu	Integrating Voices and Data: The Role of Oral Histories in Enhancing Understanding of the COVID-19 Pandemic's Multifaceted Impact
Marc Astacio-Palmer	A Tale of Bubbles: The Open Science Movement is Not Universal
Jose Alavez, <i>University of Illinois at Urbana-Champaign</i>	Co-Designing SSDOH and Equity: Exploring the Role of Design Justice in the Co-production of Social-Spatial Determinants of Health Data Visualizations

## History of Geography 3: Interfaces and places

**Type:** Paper

**Sponsor Group(s):** History of Geography Specialty Group

**Primary Organizer:** Jorn Seemann, Ball State University

**Primary Session Chair(s):** Andy Milson *University of Texas at Arlington*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Robin Kearns	The place of the New Zealand Geographic Board Ngā Pou Taunaha o Aotearoa in advancing an indigenised landscape of place naming
David Lawrence, <i>University of New Mexico</i>	An Archaeopteryx of Knowledge: A Historical Geography of the Dinosaurian Origin of Bids
Heather Bloom	Race & Retailing: Mapping Omaha's change by block, 1950-1980
Meng-Chi Hsueh, <i>Tunghai University</i>	Tracing The Influences of Beijing and Japanese Landscape Designs on Chen Chi-kwan's Serial Campus Planning Projects in Taiwan (1954-1984)
Jess Porter	Mapping Urban Fracture: Charting the Context and Consequences of the Little Rock Central High Crisis

## Mapping Your Career Pathway in Geography and Geotechnologies

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Joseph Kerski, Esri

**Primary Session Chair(s):** Joseph Kerski *Esri*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Island Feminisms Manifesto 3

**Type:** Panel

**Sponsor Group(s):** Feminist Geographies Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Marina Karides, University of Hawaii at Mānoa

**Primary Session Chair(s):** Marina Karides *University of Hawaii at Mānoa*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Noralis Rodríguez-Coss <i>Gonzaga University</i>
Panelist	Tabitha Espina <i>University of Washington</i>
Panelist	Vera Zambonelli <i>Hawaii Women In Film Making</i>
Panelist	Sofia Zaragocin <i>Universidad San Francisco de Quito</i>

### Renewable Energy Development

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Natalia Dambe, University of Florida

**Primary Session Chair(s):** Natalia Dambe *University of Florida*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Natalia Dambe	Do climate extremes like drought influence wind power development in the United States?
Yu Zhengsheng	Towards Energy Equity: Evaluating China's Transition through Regional Resource Disparities and Low-Carbon Initiatives
Scott Markwith	Agricultural land conversion for utility-scale solar facilities: trade offs on the road to climate change mitigation and readily available alternatives
Beth Nelson, <i>University of South Carolina</i>	Nature vs Culture: The Solar Energy Transition on Indigenous Lands in Arizona and Algeria

Erin Mariotti	Transforming Abandoned Mines into Solar Farms: A Pathway to Renewable Energy Development and Sustainable Land Use
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## Big Data Computing for Geospatial Applications (2)

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Huan Ning, Pennsylvania State University, US

**Primary Session Chair(s):** Zhenlong Li *Pennsylvania State University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Yuehui Qian	Topology-based Terrain Segmentation Using Apache Spark
Mohsen Ahmadkhani, <i>University of Minnesota</i>	TopoSinGAN: Learning a Topology-Aware Generative Model from a Single Image
Stephanie Insalaco	Using Random Forest to Map Seagrass Recovery in Mosquito Lagoon, FL after Hurricanes Ian and Nicole
Samuel Roubin	Spatio-Temporal Accessibility of Pharmacy Care in Vermont, USA
Alexandre Sorokine, <i>Oak Ridge National Laboratory</i>	Semantic Integration of Geodatasets Using Data Dictionaries and Statistical Language Models

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Vector-borne Diseases under Environmental Changes (3)

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Meifang Li, Dartmouth College

**Primary Session Chair(s):** Meifang Li

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Mahjabin Kabir Adrita	Malaria endemicity in Bangladesh: community perception and spatio-temporal patterns
Michael Norris	Tracking molecular trends of Brucellosis in the Pacific
Anusha Chaudhary	The Changing Landscape of Dengue: A Spatiotemporal Examination in Ecuador
Meifang Li, <i>Dartmouth College</i>	Detection of spatiotemporal association between Lyme disease and environmental risk factors

**Non-Presenting Participants**

Role	Participant
Discussant	Xun Shi

**GeoAI and Deep Learning Symposium: Urban AI and Sustainable Built Environment**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Steffen Knoblauch, Heidelberg University, Germany

**Primary Session Chair(s):** Steffen Knoblauch *Heidelberg University, Germany*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Steffen Knoblauch	High resolution mapping of urban <i>Aedes aegypti</i> immature abundance through breeding site detection based on satellite and street view imagery
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Hao Li	The Geographical Generalizability of GeoAI model
Alexander Zipf	What semantics in VGI and the Social Web can better support generating richer building models for sustainable cities?
Stone Shi	"How does my cognition change on the roadway?" Using street view imageries to assess urban perception in human daily mobility
Yingjing Huang	Comprehensive urban space representation with varying numbers of street-level images

#### Non-Presenting Participants

Role	Participant
Introduction	Steffen Knoblauch <i>Heidelberg University, Germany</i>

### Communicating the Value of Geography to Potential Employers

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Joy Adams-O'Brien, Elevated Learning Design

**Primary Session Chair(s):** Joy Adams-O'Brien *Elevated Learning Design*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313B (O'ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

### HRDSG Risk modeling and Governance

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Tyler Fricker *University of Louisiana at Monroe*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Melanie Gall	U.S. Disaster Normals
Tyler Fricker	Toward the Development of a U.S. Multi-Hazards Spatial Database for the Twenty-First Century
Volker Hochschild, <i>University of Tuebingen</i>	Urban Structure Types – A Quick Way to Get Planning Relevant Information Based on Remote Sensing Data
Leah Jones-Crank, <i>Arizona State University</i>	Integrating compound risk and the water-energy-food nexus in governance
Brooke Hatcher	Data Deliberation: A Framework for Evaluating and Selecting Optimal Earth Observation and Geospatial Datasets for Disaster Risk Modeling

**Global Development, Speculative Urbanism and Infrastructure 2**

**Type:** Paper

**Sponsor Group(s):** Development Geographies Specialty Group, Economic Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Naomi Hazarika, University of Colorado, Boulder

**Primary Session Chair(s):** Eric Sheppard *UCLA*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Wahyu Astuti	Hybrid water infrastructure and financing in Jakarta, Indonesia
Hun Kim	The Speculative Contours of Capital, Spacetime and Property: Liberal vs Illiberal Settler Logics
Kristian Karlo Saguin	Speculative futures by the sea: materiality and temporalities of land reclamation in Metro Manila

Yimeng Yang	Speculating on Green Urbanism: A Case Study of Water Network Infrastructure in Wuhan, China
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#### Non-Presenting Participants

Role	Participant
Panelist	Wahyu Kusuma <i>University of Sydney, Australia</i>
Panelist	Hun Kim <i>University of California, Irvine</i>
Panelist	Kristian Karlo Saguin <i>University of the Philippines</i>
Panelist	Yimeng Yang <i>Northeastern University</i>
Discussant	Eric Sheppard <i>UCLA</i>

#### AAG Council Award for Best Student Paper at a Regional Division Meeting (#2)

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Ashley Wallace,

**Primary Session Chair(s):** Ashley Wallace

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 1

#### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Sandra Johnson <i>East Lakes</i>
Panelist	Christine Calleja <i>East Lakes</i>
Panelist	Lily Baird <i>West Lakes</i>

Panelist	Esther Acheampong <i>West Lakes</i>
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## Social-Ecological Dynamics of Wildfire 3

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Alexandra Paige Fischer, University of Michigan

**Primary Session Chair(s):** Nicole Lambrou *University of California, Merced*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Nathan Gill, <i>University of Wisconsin-Madison</i>	The Core Tenets of Pyrogeography: Lessons from a meta-review
Alexandra Paige Fischer, <i>University of Michigan</i>	When Community Wildfire Adaptation Requires Transformation
Francisca Santana, <i>University of Washington</i>	Understanding individual-level impacts and responses to compounding wildfire-related hazards in Northern California, U.S.A.
Crystal Kolden, <i>University of California, Merced</i>	Who dies in US wildfires? A tale of two demographics
Discussant - Billie Lee Turner, Arizona State University	

## Investigating Cooperation and Conflict in Natural Resources

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Erin Bjorklund, Montana State University

**Primary Session Chair(s):** Erin Bjorklund *Montana State University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Erin Bjorklund	Rethinking Water Conflict and Cooperation: An Example from the Big Hole Watershed, Montana
Afton Clarke-Sather, <i>University of Minnesota Duluth</i>	From Protected Landscapes to Protected Waterscapes: Flows and Protected Areas in the Boundary Waters Canoe Area Wilderness
Petteri Alho	Digital Waters Flagship: Finnish Water Research and Innovation Ecosystem
Felix Pretis	Does Destroying Wildlife Reduce Human-Wildlife Conflict? Evidence from Black Bears in British Columbia

### Engaging biocultural and relational approaches to care-based stewardship 3: Attention, reflection, co-becoming, and reclamation

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Lindsay Campbell, Northern Research Station, USDA Forest Service

**Primary Session Chair(s):** Lindsay Campbell *USDA Northern Research Station*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 309, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

Jocelyn Grandinetti	Restoring People and Place: Building Biocultural Stewardship Through Grassroots Restoration
Maya Han	Urban 'Āina - Indigenous knowledge applied to modern geography
Alexander Mawyer	Cultivating the Unseen: Pa'akai and the Role of Practice in Coastal Care
Hong Jiang	Care as Quality in Taiwan's Oolong Tea Making

Lorien Nesbitt, <i>University of British Columbia Liu Institute for Global Issues - Vancouver, BC</i>	Justice in urban forestry? Recognizing diverse ontologies of nature
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## Inter-referencing geographies of (settler) colonialism, genocide and war

**Type:** Panel

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Erin Collins, Dartmouth College

**Primary Session Chair(s):** Hiba Bou-Akar *Columbia University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Zachary Levenson <i>Florida International University</i>
Panelist	Delia Wendel <i>Massachusetts Institute of Technology</i>
Panelist	Hiba Bou-Akar <i>Columbia University</i>
Introduction	Erin Collins <i>Dartmouth College</i>
Discussant	Jennifer Greenburg <i>University of Sheffield</i>
Panelist	Ali Musleh <i>Columbia University</i>
Panelist	Caitlin Blanchfield <i>Cornell University</i>

## Towards Decarbonized Net-Zero Emissions Energy Systems: A Just Transition for the Global South

**Type:** Paper

**Sponsor Group(s):** AAG JEDI Committee, Climate Specialty Group

**Primary Organizer:** Edgar Virgüez, Carnegie Institution for Science

**Primary Session Chair(s):** Edgar Virguez *Carnegie Institution for Science*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Tianle Liu	Assessing net employment effects for a just energy transition in China towards carbon neutrality: An Input-Output approach
Mohammed-Gazali Hambali	Towards more Equitable Renewable Energy Conversations and Practices in the Global South
Xavier Lemaire, <i>University College London</i>	Energy Security and Climate Change: China's New Global Leadership in a Systemic World
Aaditee Kudrimoti	The Political Economy of Energy Sector Planning in Lao PDR: technical assistance, co-creating socio-technical and spatial imaginaries, & social responses to state-led sectoral development plans
Kristen Borre	Building Communiversity Donation Garden Partnerships Across Communities of Faith: Cultivating trust through teaching youth

## AAG RSSG Lifetime Achievement Award

**Type:** Panel

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Caiyun Zhang,

**Primary Session Chair(s):** Caiyun Zhang

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

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#### Non-Presenting Participants

Role	Participant
Panelist	Hua Liu

### CAPE Distinguished Career Award Keynote I: Silicon Valley's speculative fictions and the political economy of ecological collapse

**Type:** Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Jenny Goldstein, Cornell University

**Primary Session Chair(s):** Rebecca Lave *Indiana University*

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Julie Guthman <i>UC Santa Cruz</i>

### A Comparison of Renewable Energy Sources

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** pankaj Lal

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Han Wang	Unearthing the potential of solar energy on railway tracks: Evidence from China
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Yufan Du	Comparing Emergency Diesel Generators and Battery-Based Energy Storage Systems for Grid Services in Urban Areas
Pankaj Lal	Socioeconomic Impacts of New Jersey's Offshore Wind Development on Recreational Fisheries Economy

## Transportation Geography: the Rise of Bike-Share

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Kirsten Goldstein

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

LaDona Knigge, <i>California State University Chico</i>	Tactical Urbanism: Constructing a bike path on Chico State Campus
Kirsten Goldstein	Around the World on One Wheel

## Precipitation and Hydrology

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Bohumir Jansky

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Abigail Langston	Dynamic hydrology of a karst river and implications for channel and valley morphology
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Bohumir Jansky	Impact of climate change on the hydrological regime in the Amazon River headwaters, Peru
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## Africa Geopolitics

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Daniel Waktola

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Gashawbeza Bekele	Ethnic Identity Politics and the Sustenance of Predatory States in Africa: A Case Study of Ethiopia
Mandisa Haarhoff	Mapping Caffraria: Constructing an Appropriable World
Ian Yeboah	Theorizing Sub-Saharan African Urban Space under Globalization: The Case of the Accra-Tema City-Region (ATCR)
Daniel Waktola	Geopolitical Challenges and Strategic Collusion: Understanding Foreign Military Bases in Africa

## Environmental and Earth Science 2

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Tim Duval	Wintertime throughfall dynamics in temperate forests subject to mixed precipitation
Lena Schwebs	Past and Present Resiliency of a Rocky Mountain Fen
yenwei pan	Soil Moisture Dynamics in Hawaii: Insights from Antecedent Precipitation Index in Hawaii
Daniela Katzenstein	Climate Changes in Riverside: Temperature and Precipitation throughout the Decades
Francis Guy	Longitudinal Impacts of Trampling Along Alpine Trails
Byungyun Yang	Analysis of carbon dioxide absorption potential of Korea's forest ecosystem based on carbon spatial map
Jayden Cinko	Road Salt Impacts on Western Pennsylvania Streams
Mehvish Majeed	Dendroclimatological study of Pinus roxburghii growth variation along the elevation gradient in lesser Himalayas, Pakistan
M Shahriar Sonet	Forecasting Rainfall Anomalies in Arid Landscapes: A Machine Learning Approach for Enhanced Environmental Management in Lubbock, Texas
Taylor Jackson	Effects of Forest Management Techniques on Tree Biodiversity and Density in The New England Forests
Xiaolu Zhou	A Deep Learning Approach for Efficient Retail Location Selection: A Case Study on Coffee Retailers in the United States
Darko Radakovic	A deep learning-based approach for mapping tall shrubs in Arctic tundra
Yuji Shane Chibana	Effects of gasoline on larval settlement and survival in Harbor Porites
David Beilman	Tropical montane wetlands in the Pacific and Hawaii are carbon hotspots with an uncertain trajectory

Benjamin Lynch	Spatial and Temporal Analysis of Remote Sensed Fire Data in the Kamchatka and Chutkotka Regions of Russia
Alana Holdren	Evaluation of heavy-density separation techniques for pollen extraction in archaeological and paleoecological samples with high mineral content
YUN PAN LAI	Impact assessment of climate change on water supply to Hsinchu Science Park
Yunliang Meng, <i>Central Connecticut State University</i>	Using Geographically Weighted Regression to Explore County Subdivision Level Predictors of Drug Overdose Death in Connecticut, U.S.
ALEXANDER SHIKLOMANOV	Online information system for exploration and analysis of integrated environmental and socio-economic data
CHANGHEE HONG	Geographic Analysis of Spatial Displacements in Underground Utility Tunnels using LIDAR and Camera Sensors
Ingrid Witty	Geospatial Analysis of Green Pond “Puddingstone” as Building Stone, Morris County, New Jersey, USA
Aviva Wolf-Jacobs	Community Climate Action Mapping
Bruce Markman	Using Hyperspectral Imagery to Monitor Residual Dry Matter across California Grasslands
Janet Azure Atanga	Modeling the past, current, and potential future spatial distribution of <i>Prosopis glandulosa</i> (honey mesquite) along an aridity gradient in the southwestern United States.
Lynden Abernathy	Investigating links between the Spatial Variation in Air Quality and Asthma in Utah County, Utah
Keith Bremer, <i>Fort Hays State University</i>	Tsunami Evacuation Areas of the Big Island of Hawaii

Madison Elowitt	Firescape Ecology: Analyzing Oak Tree Loss in the Aftermath of the Woolsey Fire within the Santa Monica Mountains National Recreation Area
Supria Sarkar	Machine Learning-Based Data Fusion to Enhance Spectral Capabilities of Planet Data with Sentinel-2
Ikram Morso	Predicting Relative Soybean Yield using Satellite Imagery and In-situ Volumetric Soil Water Content
K. Colton Flynn	Effect of sample size and training-testing split ratios on monitoring legume quality using hyperspectral remote sensing and machine learning
Richard Knox	Floodplain mapping and data resolution in the Colorado River Basin
Audrey Rathke	Using Hyper-spectral Analysis to Investigate the Elemental Composition of Dust Generated by Shrinking Great Salt Lake

## Environmental and Earth Science 1

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Robert Thacker	Characterizing Groundwater Fluxes in Death Valley, CA using InSAR
Cyric Ng	Comparison of Seasonal and Monthly Reconstruction of Antarctica Sea Ice

PETER RINKLEFF	Retrospective Analysis of Barrier Island Changes from Publicly Available Declassified Historic Data
Joshua Hodge	Investigating Spatial Variations in Hurricane Storm Surge Sedimentation: A Follow-Up Study of Hurricane Ike on the Texas Gulf Coast
Adelynn York	Baseline Vegetation Survey of Tidal Marsh Ecosystems in Saxis Wildlife Management Area, Virginia
Julia Ruzewski	Baseline Wildlife Assessment of Saxis, Virginia
Caitlyn Alexander	Baseline Vegetation Survey of Tidal Marsh Ecosystems in Saxis Wildlife Management Area, Virginia
Paul Miller, <i>Louisiana State University</i>	Trans-Atlantic Saharan Dust Pathways and their Correspondence with Precipitation in Puerto Rico
Josh Gilliland	A Geovisualization of Upper-Level Wind Trends for Brazil during 1980–2022
Justin Hartnett	Is this a sign of climate change? Understanding the recent lack of seasonal snowfall in Upstate New York
Kinsale Day	Uncertainties in Snow Measurements over Mountains in the Interior Western US through a geographical analysis.
Gary Boba	Climatic Drivers Of Outbreak Events of the Western Spruce Budworm in North American Spruce-Fir Forests
Renee Setter	Climate trajectory of pantropical freshwater peatlands
Callie Milliand	Elevation Dependent Warming and its Geopsychological Impact in the Northern Peruvian Andes Mountains
Luke Davies	Elevation Dependent Warming and its Geopsychological Impact in the Northern Peruvian Andes Mountains

Katrina Ducre	The Impact of Extreme Blocking and Moisture Transport on Melting Events of the Northwestern Greenland Ice Sheet
Hui Wang	Spatiotemporal response of riparian cover to extreme drought years
Benjamin Lloyd	Evaluating the Nitrate Concentrations in Seawater in Tampa Bay
Haoming Zhuang	Reconstructing high-resolution land use change in China from 1949 to 2015 by integrating remote sensing and land survey data
Weilin Liao	Regional and seasonal partitioning of water and temperature controls on urban dryness variability in China
Youngsang Kwon	Biogeography of tree species richness and frequency of species peak abundance: Through the lens of latitudinal diversity gradient and Rapoport's rule
Paul Knapp, <i>University of North Carolina Greensboro</i>	"Hot droughts" and radial growth responses of old-growth conifers: An example from southern California, USA
Abigail Kratsch	High resolution study on the microclimates of various plant zones on San Cristóbal Island, Galápagos Islands, Ecuador
HsiuHao Yeh	Application of end member mixing analysis to identify flow pathways in the fragmented reach of a small mountainous river in Taiwan
Airin Akter	Comparing the Spatial Patterns of Rainfall and Atmospheric Moisture for Three Major Tropical Cyclones: A Case Study of Bangladesh
Ethan Schatz	Shrinking Lakes: Are there Differences in the Rate of Shrinkage of Natural and Man-made Lakes in the Semi-arid west?
Robert Hellström	International student engagements to study environmental and community impacts of elevation dependent climate change in the Peruvian Andes

Yide Xu	AI-Powered Remote Sensing Detecting Smallholder Tree Planting in Southern Tanzania
Clare McKeon	Hydroclimatic Extremes and Climate Change Preparedness- or Not?
Kira Webster	Reconciling conflicting results regarding climate change effects on plants: A case study with wheat
Steven Rhue	Characterizing urban water insecurity via a novel method of household survey in Belém, Pará, Brazil
Baylee Roxby	Geographical Comparisons and Impacts of Sun-Grown Versus Shade-Grown Coffee Productions
Ethan Tiong	A multi-proxy investigation of hurricane deposition into southern Puerto Rico: An analysis of Hurricane Maria's signature
Nicholas Grondin, <i>University of Tennessee</i>	Analyzing the Hurricane History of Charlotte Harbor, Florida using Observed and Synthetic Tropical Cyclone Tracks

## Urban and Tourism Geographies

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

Lixia Jin	Coordination Mechanism of Village-level Industrial Park Transformation Based on the Perspective of Stakeholders: A Case Study of Heshan City, Guangdong Province
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Isabelle Goolsby	Urban Microclimates in Action! High resolution temperature and humidity differences across diverse urban terrain
Weiying Lin	Does urban greening matter? Unpacking its association with gentrification and racial dynamics in Houston, TX
Anson Ekau	Dashboard Development and Maintenance for Maunalua Fishpond Heritage Center
EllaRose Warnick	A comparative analysis of two areas with tourist-based economies: Garrett County, Maryland, and Franklin County, Maine.
Hilary Ama Ansah	Modeling Spatial Accessibility to Ethnic Food Stores Within Immigrant Communities in Austin, Texas
Caroline Baumann	Quantifying Potential Spatial Accessibility to Adult American Sign Language Classes in Los Angeles County
Su-Jeong Kim	The Mobility and Historical Geography of Korean Diasporas in Los Angeles
Anna Schiebeck	Tourism in Joshua Tree National Park
Carolyn Kennett	How do ancient sites affect tourism and accessibility? A participant observation of three sites in Rome, Italy
Dongpyo Hong	An Introduction to the Value Chains of Platformized Food Delivery Services Sector in South Korea
Riley Eberlein	Does proximity to a tourist area affect restaurant prices? A Florentine case study
Karina Pimentel dos Santos	Atlantic Amazon and tourism: the relationship between tourism activity and socio-environmental impacts in Salinópolis-PA
Matthew Kenney	How Freeway Capacity Influences Urban Traffic Delays

Brad Bereitschaft	No longer just work and play? Exploring recent residential growth within America's "edge cities"
Jihye Byun	The Impact analysis of the new subway line on the commercial land value
Trevor Birkenholtz	Placing Wetlands in the Watershed: Millbrook Marsh and Ecosystem Service Provision from Centre County, PA to the Chesapeake Bay.
Xander Stultz	The Troost Divide: New Injustice Arising from Gentrification in Kansas City, Missouri
Jiangdi Tan	The emerging peri-urban space and the landscape concept
Ziying Jiang	Designated Outdoor Refreshment Area and Public Safety
Natalie Fenoff	Home in Retail: Converting Shopping Centers into Affordable Housing Projects
Krista Evans, <i>Missouri State University</i>	Land Banking as an Attainable Housing Strategy in the State of Missouri
Mina Ojha	Landscape change and development pressure on historical features of the San Antonio Mission reach area due to rapid urbanization and gentrification
Christa Smith	Marketing Coal: Heritage Tourism and Coal Camps in America.
He Wang	Talents Shipped-in: disconnection between migration and industrial policy in the Hong Kong IT Sector
Brian Blevins	Growth of Open-Pit Mines and Local Economic Development

## Topics in Geography

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Todd Lindley

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 10

### Presentations (if applicable) and Session Agenda:

Moses Asori	Spatial Bayesian Modeling of Diabetes Mellitus (DM) Risk in the United States.
Todd Lindley, <i>Georgia Gwinnett College</i>	Human Geography in a Post-pandemic World: A New Chapter or Not?
Maureen Abi-Ghanem, <i>Columbia University</i>	Refugee accommodations in Berlin: From temporary socio-spatial protection to a new urban reality
Elnazir Ramadan	Cross-border Labour Migration in the Arabian Gulf Countries: Reality and Challenges
Jiacheng Zhou	Understanding the relative risk of morbidity and its disparities attributable to air pollution exposure

## WS3\_4: The Changing Face of Cartography

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
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Role	Participant
Instructor	Aileen Buckley
Instructor	Kathy Cappelli Brier

### Population Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Population Specialty Group

**Primary Organizer:** Amy Rose,

**Primary Session Chair(s):** Amy Rose

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Health and Medical Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 318A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### History of Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** History of Geography Specialty Group

**Primary Organizer:** Jorn Seeman,

**Primary Session Chair(s):** Jorn Seeman

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Polar Geography Specialty Group Business Meeting**

**Type:** Meeting

**Sponsor Group(s):** Polar Geography Specialty Group

**Primary Organizer:** Mia Bennett,

**Primary Session Chair(s):** Mia Bennett

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Cultural and Political Ecology (CAPE) Business Meeting**

**Type:** Virtual Meeting

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Jenny Goldstein,

**Primary Session Chair(s):** Jenny Goldstein

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 4

**Presentations (if applicable) and Session Agenda:**

**Urban Geography Specialty Group Business Meeting**

**Type:** Meeting

**Sponsor Group(s):** Urban Geography Specialty Group

**Primary Organizer:** Richard Nisa,

**Primary Session Chair(s):** Richard Nisa

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Indigenous Peoples Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Indigenous Peoples Specialty Group

**Primary Organizer:** Angie Sanchez,

**Primary Session Chair(s):** Angie Sanchez

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 309, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Media and Communication Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Media and Communication Geography Specialty Group

**Primary Organizer:** Paul Adams,

**Primary Session Chair(s):** Paul Adams

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Feminist Geographies Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Feminist Geographies Specialty Group

**Primary Organizer:** Kelsey Emard,

**Primary Session Chair(s):** Kelsey Emard

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Middle East and North Africa Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Middle East Specialty Group

**Primary Organizer:** Brittany Cook,

**Primary Session Chair(s):** Brittany Cook

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Latin America Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Latin America Specialty Group

**Primary Organizer:** Martha Bell,

**Primary Session Chair(s):** Martha Bell

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## AAG Past President's Address and Presidential Achievement Awards

**Type:** Plenary

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):** American Association of Geographers

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 310 (Lili'u Theater), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Marilyn Raphael

### Community College Affinity Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Community College Affinity Group

**Primary Organizer:** Patrick Shabram,

**Primary Session Chair(s):** Patrick Shabram

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Stand-alone Geographers Affinity Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Stand-Alone Geographers Affinity Group

**Primary Organizer:** Jason Greenberg,

**Primary Session Chair(s):** Jason Greenberg

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 13

**Presentations (if applicable) and Session Agenda:**

### Energy and Environment Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Energy and Environment Specialty Group

**Primary Organizer:** Tom Ptak,

**Primary Session Chair(s):** Tom Ptak

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

### Landscape Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Landscape Specialty Group

**Primary Organizer:** Meredith Whitten,

**Primary Session Chair(s):** Meredith Whitten

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 12

**Presentations (if applicable) and Session Agenda:**

### Cartography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Cartography Specialty Group

**Primary Organizer:** Jack Swab,

**Primary Session Chair(s):** Jack Swab

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Digital Geographies Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Digital Geographies Specialty Group

**Primary Organizer:** Eric Robsky Huntley,

**Primary Session Chair(s):** Eric Robsky Huntley

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Applied Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Applied Geography Specialty Group

**Primary Organizer:** Rebecca Loraamm,

**Primary Session Chair(s):** Rebecca Loraamm

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Mental Health Affinity Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Mental Health Affinity Group

**Primary Organizer:** Marcia England,

**Primary Session Chair(s):** Marcia England

**Date:** 4/18/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 305A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Disaster Culture in Japan: Fukushima Nuclear Power Plants, 3.11 Tsunami, and National Security Threats

**Type:** Paper

**Sponsor Group(s):** Asian Geography Specialty Group, Energy and Environment Specialty Group, Hazards - Risks - and Disasters Specialty Group, Historical Geography Specialty Group

**Primary Organizer:** Unryu Suganuma, J. F. Oberlin University

**Primary Session Chair(s):** Unryu Suganuma *J. F. Oberlin University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kenji Yamazaki	Flood disaster in Japan today
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Abel Polese	Informality, solidarity and support: exploring the tradition of Okinawan Moai (模合) in post-pandemic Japan
Rikiya SASAKI	Reconstruction Education in Iwate and the Practice of Taro Daiichi Junior High School
Tomoko YAMAZAKI	A New Definition of Disaster Culture
Unryu Suganuma	Fukushima After the 3.11Tsunami: Before and After the Covid-19
Questions and discussion	

## History of Geography Keynote Talk: Unmanifest Destiny: Rethinking the role of religion and spiritual perspectives in Geography (RDK Herman)

**Type:** Panel

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Historical Geography Specialty Group, History of Geography Specialty Group, Protected Areas Specialty Group

**Primary Organizer:** Jorn Seemann, Ball State University

**Primary Session Chair(s):** Jorn Seemann *Ball State University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Introducing the keynote speaker
Keynote talk by RDK Herman
Q&A

### Non-Presenting Participants

Role	Participant
Introduction	Jorn Seemann <i>Ball State University</i>

## Polar geographies: Arctic, Antarctic, Alpine, and cold region research and engagements

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Polar Geography Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Mia Bennett, University of Washington

**Primary Session Chair(s):** Mia Bennett *University of Washington*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Diana Khaziakhmetova	Seasonal Dynamics and Indigenous Insights: Rethinking Public Spaces in Arctic Urban Settings
Nathan Kettle, <i>University of Alaska Fairbanks</i>	Climate services in a rapidly changing environment: an evaluation of the Sea Ice for Walrus Outlook (SIWO)
Lynn Moorman, <i>Mount Royal University</i>	Arctic climate change adaptation and agency through cartography
Katherine Ball, <i>Arizona State University</i>	Fluid Geographies and the Classification of Arctic Governance Priorities

## GeoAI and Deep Learning Symposium: GeoAI for Sustainable and Computational Agriculture I

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jinmeng Rao, Alphabet Inc.

**Primary Session Chair(s):** Yuchi Ma *Stanford University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Yumiao Wang	Integrating optical and SAR time series imagery for unsupervised domain adaptive crop mapping
Song Gao, <i>University of Wisconsin</i>	Understanding Food Supply Network Resilience via Geospatial Knowledge Graphs and Federated Learning
Zhenong Jin	Mapping smallholder cashew plantations across the West Africa to inform sustainable agroforestry expansion
Pratyush Tripathy	Leveraging Segment Anything Model for Agriculture Field Boundary Detection in the Indo-Gangetic Plain, India
Zijun Yang, <i>Geography, University Of Illinois, Urbana Champaign</i>	A novel deep learning framework for within-season field-level crop phenology characterization

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security: Harnessing the Power of Geospatial Analytics to Evaluate Environmental Exposure

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Dong Liu, The Chinese University of Hong Kong

**Primary Session Chair(s):** Dong Liu *The Chinese University of Hong Kong*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Lan Wang	Identifying high-risk locations for Emergency Medical Services (EMS) delay using ambulance trajectory data
Lingwei Zheng	How Mobility Shape the Correspondence between Residential Green Space and Actual Exposure: A Study from Hong Kong
Wen Zhong	Classification and Evaluation of Urban Aged Health Resources for Supply and Demand Matching -- A Case Study of Chongqing, China

Dong Liu, <i>Chinese University of Hong Kong</i>	Utilizing Portable Sensing Data to Explore Health-Related Environmental Exposure and its Influential Factors
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### Non-Presenting Participants

Role	Participant
Discussant	Xun Shi <i>Dartmouth College</i>

## Symposium on Human Dynamics Research: Geospatial Digital Twins (GDT) for Sustainable Planning and Management

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Hazards - Risks - and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Debayan Mandal, Texas A&M University

**Primary Session Chair(s):** Debayan Mandal *Texas A&M University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Chi-Wen Chen	A feature-based framework of common spatial units towards the cross-discipline data integration of digital twins
Liping Di	CropSmart Digital Twin for making wiser cropping decisions
Oumayma Moufid	Digital Twin for a Sustainable Urban Regeneration process
Jeffrey Hamerlinck	Community-Scale Digital Twins for Smart Rural Places: Socio-Technical Design Considerations
4D Resilience: Geospatial Digital Twins for Navigating Urban Flood Dynamics	
Audience Interaction	

### Non-Presenting Participants

Role	Participant
Discussant	Lei Zou <i>Texas A&amp;M University</i>

### Environmental History from Lake Sediments and Other Natural Archives I

**Type:** Paper

**Sponsor Group(s):** Paleoenvironmental Change Specialty Group

**Primary Organizer:** Adam Csank, University of Nevada, Reno

**Primary Session Chair(s):** Adam Csank *University of Nevada, Reno*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Lawrence Kiage	Human-Environment Dynamics in Tropical Africa during the Late Holocene based on a sediment record from Saiwa Swamp, Kenya
CHENYAO JIANG	Changes in paleo-groundwater levels revealed by water wells and their relationship with climate variations in imperial Southern China
Andrew Sirois	Geolocation of Paleoecological Pollen Data from Lake Sediments Based on Modern Surface Pollen Fingerprints

### Bridging Island Studies and Political Geography: Archipelagos, Oceanic Governance, and Multiple Territorialities

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Meagan Harden, University of Hawaii at Manoa

**Primary Session Chair(s):** Meagan Harden

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Ling-I Chu	Islands after wet ontologies: Bringing geography back in
Po-Yi Hung	Freezing the Freshness: Seafood Materiality, Cold Chain Infrastructure, and the Logistics Frontier of the Distant Water Fishery
Rhiannon Emm	The Tuvaluans and Home as a Claim to the International
Claudio Melli	Bridging an Archipelago Through Sport
Szu-Yun Hsu	Refashioning the Neoliberal Geoeconomics Approach to Regionalism: Taiwan's Southward Policies in Transition

**Spatial Optimization and Analysis 1****Type:** Paper**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group**Primary Organizer:** Xin (Selena) Feng, University of Oklahoma**Primary Session Chair(s):** Xin (Selena) Feng *University of Oklahoma***Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301A, Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Vanessa Echeverri Figueroa	Enhancing Wildfire Preparedness: Integrating Socioeconomic Factors in Strategic Hydrant Placement
Wangshu Mu	Coverage maximization for lines: An urban greenway route planning example
Gunhak Lee	p-Flow cluster detection using a spatial optimization method
Ran Wei	The Utilization of UAV Imagery for Shade Path Identification

Yulun Zhou	Cost-effective Sensor Placement for Large-scale Urban Sewage Surveillance
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## Elevating Undergraduate Student Research for Climate Justice 2

**Type:** Virtual Paper

**Sponsor Group(s):** Climate Specialty Group, Graduate Student Affinity Group

**Primary Organizer:** Ivan J. Ramirez, University of Colorado Denver

**Primary Session Chair(s):** Ivan J. Ramirez *University of Colorado Denver*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 5

### Presentations (if applicable) and Session Agenda:

Ruth Hundie	Exploring how the 2023 El Niño evolved in the U.S. and Australia: implications for disaster risk reduction and climate justice
Laila Zeid	Local Climate Knowledge in Egypt
Sarah Le	Food for Thought: An Exploration of the Intersection Between Food and Social Justice
Fahiima Abdullahi	Climate Misinformation and its Effects on Youth Activism
Amanda Hernandez	Adaptation to climate change in border regions: A literature synthesis

## Practicing Community Geography 2

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geography Education Specialty Group

**Primary Organizer:** Jennifer Mokos, Coastal Carolina University

**Primary Session Chair(s):** Jennifer Mapes *Kent State University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Abby Palmer	Community Geography and GIS to Map Local Knowledge about Flooding Concerns
Winifred Curran, <i>DePaul University</i>	"Data is great, but . . ." Co-producing knowledge for environmental justice
Genevieve Reid	Health Data Justice in Collaborative Research with Community-Based Organizations
Daniel Block, <i>Geography Program</i>	Pushing the Boundaries of Community Geography? Community and Student Engagement and Digital Equity Projects in Northeastern Illinois
Angela Vergara	Participatory Action Research in Belize: Lessons learned from a National Science Foundation REU/RET Site to Prepare the Next Generation of Global Scholars through Community Geography and Geographic Information Systems

**Generative AI and the undergraduate geography curriculum****Type:** Panel**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Terence Day, Okanagan College, Kelowna, BC**Primary Session Chair(s):** Terence Day *Okanagan College, Kelowna, BC***Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307B, Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:****Non-Presenting Participants**

Role	Participant
Panelist	Tingting Tzu <i>University of Toronto Mississauga</i>

Panelist	Matteo Gonzalez <i>University of Richmond</i>
Panelist	Terence Day <i>Okanagan College</i>

## Freshwater futures 2: knowledge and justice for a world of novel ecosystems

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Marc Tadaki, Cawthron Institute

**Primary Session Chair(s):** Marc Tadaki *Cawthron Institute*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jane Kitson, <i>Kitson Consulting</i>	Waiau - The River of the Swirling (Under) Currents
Edward Challies, <i>University of Canterbury</i>	Navigating tensions in the restoration of freshwater systems in Aotearoa New Zealand
Leah Gibbs	Fish kills, justice and connection on the Baaka / Darling River, Australia
Kiely McFarlane, <i>Cawthron Institute</i>	Flowing injustice: Unveiling the discursive origins of colonial freshwater fish management
Discussant: Adrienne Kroepsch	

### Non-Presenting Participants

Role	Participant
Discussant	Adrienne Kroepsch <i>Colorado School of Mines</i>

## Black Matters are Spatial Matters 2

**Type:** Paper

**Sponsor Group(s):** Black Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** LaToya Eaves,

**Primary Session Chair(s):** Priscilla McCutcheon

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Michelle Lanier, <i>State Historic Sites of North Carolina</i>	Between the Sycamore and the Swamp: A Root-Song Beyond Sorrow
Philana A Jeremiah, <i>University of Arizona - Geography &amp; Development</i>	Crowned in Resistance: The Politics of Black Women's Hair and Beauty Politics in the United States
Mia White	A Blues Epistemology for Reparative Planning: Transforming the Harm of Private Property
Amanda Boston	'The City is Mine': Black Capitalist Geographies and 'The Book of HOV'
Matthew Cook, <i>Eastern Michigan University</i>	"Sustaining Black Neighborhoods and Black Communities:" Black History Museums in the Wake of Gentrification

## "New" Geographies of Islands: Extracting Global Lessons from Island Microcosms

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Francisco Laso, Western Washington University

**Primary Session Chair(s):** Francisco Laso *Western Washington University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Carolina Carrion	Detection of an invasive plant species using Planet Scope multispectral satellite imagery
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Melanie Jones	What Goes In Doesn't Always Come Out: Governing E-Waste in an Island Setting
Adam Burke	A Comparative Analysis of Sustainable Tourism Models and Metrics in the Hawaiian and Galápagos Archipelagos
Carter Hunt	Non-Native Minds and the Construction of Culture in the Galápagos Islands
Francisco Laso, <i>Western Washington University</i>	Galapagos: An Agroecosystem Observatory

## Now Hiring II: Government, Industry, and Nonprofit Career Paths for Geographers

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Catherine dL. Tan <i>Cambridge University</i>
Discussant	Shaun Williams <i>Center for Naval Analyses</i>
Discussant	Brian Baldwin <i>Esri</i>
Discussant	Arvind Bhuta <i>U.S. Forest Service</i>
Discussant	Maurice McHugh <i>NOAA</i>

Discussant	Kyle Titlow <i>U.S. Department of Transportation</i>
Discussant	John Cromartie <i>U.S. Department of Agriculture</i>
Discussant	Delta Merner <i>Union of Concerned Scientists</i>

## Finding your career outside academia: A workshop for graduate students (Opportunity I)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Leslie McLees, University of Oregon

**Primary Session Chair(s):** Leslie McLees *University of Oregon*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Place & the Social-Spatial Determinants of Health Symposium 3

**Type:** Paper

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Sydney Reavely, University of Miami

**Primary Session Chair(s):** Marynia Kolak *University of Illinois at Urbana-Champaign*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yuxuan Zhou	Impacts of Social Deprivation and Potential Mitigation Effects of Greenness Exposure on Mortality in Hong Kong, 1999-2018: A Spatiotemporal Perspective
Jiahao Wang	Identify Neighborhood Archetypes for the Health, Development and Wellbeing of Youth in the US Metropolitan Areas

Mandela Gadri	Evaluating User Engagement and Design Effectiveness of the US COVID Atlas: Insights and Recommendations for Enhanced Public Health Data Dashboards Usability
Sydney Reavely, <i>University of Miami</i>	Thrive South Miami: Section 3 HUD Impact Study
Marynia Kolak, <i>University of Chicago</i>	Re-Rooting the Social Determinants of Health within an Integrated Health Geography

## Transportation Justice 4: Spatial and temporal approaches considering transit

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Hannah King, UCLA

**Primary Session Chair(s):** Anastasia Soukhov *McMaster University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jen-Jia Lin	Associations of proximity to metro station with social exclusion: Spatial and temporal variations
Jiemin Zheng	The Influence of Built Environment in Station-level Catchment Area on Metro Ridership of People with Disabilities: A Case Study of Nanjing, China
Elizabeth Dzwonczyk	Free Rides? Spatial and Temporal Patterns of Denver Metro bus ridership during free and paid fare periods.

## Foodscapes

**Type:** Virtual Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Michael Minn, The University of Illinois

**Primary Session Chair(s):** Michael Minn *The University of Illinois*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

Alicia Martin	Consensus on Food Systems Literacy Competencies: A modified Delphi study
Olivia Caruso	The Influence of the School Neighbourhood Food Retail Environment on Unhealthy Food Purchasing Behaviours among Adolescents: A Systematic Review
Yulia Lamoureaux	Towards a new food systems policy paradigm: Using political ecology to explore food security, food safety, and food waste in California
Rebecca Shakespeare, <i>Tufts University, Urban and Environmental Planning and Policy</i>	Social Foodscapes: A spatial framework for approaching food allergies and dietary requirements.
Michael Minn, <i>The University of Illinois</i>	Chinese Restaurants and Neighborhood Change in New York City

**Resilience In/Beyond Climate Colonialism: Conversations across the Caribbean****Type:** Virtual Panel**Theme:** Recovery and Restoration**Sponsor Group(s):** Caribbean Specialty Group**Primary Organizer:** Mayra Román-Rivera, University of Tennessee**Primary Session Chair(s):** Mayra Román-Rivera *University of Tennessee***Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 9**Presentations (if applicable) and Session Agenda:****Non-Presenting Participants**

Role	Participant
Introduction	Mayra Román-Rivera <i>University of Tennessee</i>

Discussant	Tashanna Walker <i>Rutgers University</i>
Panelist	John Mussington <i>Barbuda Land Rights and Resources Committee</i>
Panelist	Dimitris Herrera <i>University of Tennessee</i>
Panelist	Patricia Northover <i>University of the West Indies, Mona</i>

## Big Data Computing for Geospatial Applications (3)

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Zhenlong Li, Pennsylvania State University, US

**Primary Session Chair(s):** Huan Ning *Pennsylvania State University, US*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Wenlong Feng	Exploring the Influence of Hydrologically Sensitive Areas on Residential Property Prices in Inland Communities: A Case Study of Hillsborough Township and Montgomery Township, New Jersey, USA
Shipeng Sun, <i>Hunter College - City University</i>	Quality of Open Geospatial Data: A Systematic Assessment of Four American Metropolitan Areas
David Retchless, <i>Texas A&amp;M University at Galveston</i>	Experimenting with Apple ARKit for augmented reality views of storm surge flooding
Anusha Srirenganathan Malarvizhi	Multisource Data Fusion for Enhanced Aerosol Data Analysis and PM2.5 Prediction Using Integrated Neural Network Weighted Regression

## What is Progress in Environmental Geography?

**Type:** Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Becky Mansfield, Ohio State University

**Primary Session Chair(s):** Becky Mansfield *Ohio State University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Elizabeth Havice <i>University of North Carolina</i>
Panelist	Yamini Narayanan <i>Deakin University</i>
Panelist	Jane Southworth <i>University of Florida</i>
Panelist	Michele Lobo <i>Deakin University</i>
Panelist	Brad Bottoms <i>University of Michigan</i>
Panelist	Kevin Anchukaitis <i>University of Arizona</i>
Panelist	Neeyan Smith <i>Gumbaynggirr Jagun</i>
Panelist	Lara Daley <i>University of Newcastle</i>

### GIS Certification - Get a certificate program started at your institution

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Darcy Boellstorff, Bridgewater State University

**Primary Session Chair(s):** Jane Southworth *University of Florida*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

## Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	LaDona Knigge <i>California State University, Chico</i>
Panelist	Julie Cidell <i>University of Illinois Urbana-Champaign</i>
Panelist	Tanya Allison <i>Montgomery College</i>
Panelist	Caroline McClure <i>Georgia State University</i>

## Climate Change Adaptation Options in Small Island Developing States

**Type:** Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Applied Geography Specialty Group, Climate Specialty Group, Coastal and Marine Specialty Group

**Primary Organizer:** Juha Uitto, Global Environment Facility

**Primary Session Chair(s):** Juha Uitto *Global Environment Facility*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

## Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Panelist	Mikiyasu Nakayama <i>Global Infrastructure Fund Research Foundation Japan</i>
Panelist	Akiko Sakamoto <i>Global Infrastructure Fund Research Foundation Japan</i>
Panelist	Miko Maekawa <i>Sasakawa Peace Foundation</i>
Panelist	Alexander Mawyer <i>Center for Pacific Island Studies, University of Hawai'i at Manoa</i>

## Global Development, Speculative Urbanism and Infrastructure 3

**Type:** Paper

**Sponsor Group(s):** Development Geographies Specialty Group, Economic Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Naomi Hazarika, University of Colorado, Boulder

**Primary Session Chair(s):** Michael Goldman *University of Minnesota*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Siddharth Menon	Transnational Diasporas, Infrastructures of Finance, and Remittance Urbanism in India
Ranjani Srinivasan	Promises Made: Corridor Urbanisation and Everyday Speculation in India
Ding Fei	From Infrastructural Fix to Speculative Urbanism: Chinese Infrastructure Projects in Addis Ababa
Shambhavi Madan	Constructing Inequality: Caste, Construction Labour, and Urban Expansion in Delhi

### Non-Presenting Participants

Role	Participant
Panelist	Siddharth Menon <i>University of Wisconsin, Madison</i>
Panelist	Ranjani Srinivasan <i>Columbia University</i>
Panelist	Ding Fei <i>Cornell University</i>
Panelist	Shambhavi Madan <i>Independent Scholar</i>
Discussant	Michael Goldman <i>University of Minnesota</i>

## Best Paper and Best Student Paper Award in Geography & Entrepreneurship

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Candida Mannozi,

**Primary Session Chair(s):** Candida Mannozi

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 1

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Christine Beckman
Panelist	Jovanna Rosen
Panelist	Joshua Barrett

## Tips and Tricks for Developing Strong Interview Skills

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Joy Adams-O'Brien, Elevated Learning Design

**Primary Session Chair(s):** Joy Adams-O'Brien *Elevated Learning Design*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Engaging biocultural and relational approaches to care-based stewardship 4: Recognition and trust in dialogue for transformation

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Lindsay Campbell, Northern Research Station, USDA Forest Service

**Primary Session Chair(s):** Lindsay Campbell *USDA Northern Research Station*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 309, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Kiri Dell	Kia hōhonu te korero: Auditing restoration discourse in New Zealand to encourage authentic integration of te reo Maori in the environmental space.
Michele Romolini	Community-engaged research to facilitate responsive urban natural resource planning
Linda Wilson	Moving beyond value conflicts through notions of care: Presenting a novel, place-based approach to engaging beekeeper perspectives on public environmental management in a biodiversity hotspot
Lindsay Campbell, <i>Northern Research Station, USDA Forest Service</i>	Stewardship Salons: Sharing artistic ways of knowing and biocultural approaches to transform urban natural resources management
Mark Harvey	Ngahere, kauri dieback, myrtle rust and Māori stewardship

## Collaborative field school 1: Opportunities and Challenges

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Krisnawati Suryanata, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Krisnawati Suryanata *University of Hawai'i at Mānoa*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
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Role	Participant
Panelist	Ming Li Yong <i>The East-West Center</i>
Panelist	Ty Kawika Tengan <i>University of Hawai'i at Mānoa</i>
Panelist	Chaya Vaddhanaphuti <i>Chiang Mai University</i>
Panelist	Wiwik Dharmiasih <i>University of Hawai'i at Mānoa</i>
Panelist	Foley Pfalzgraf <i>University of Hawai'i at Mānoa</i>

## Navigating ICT-enabled accessibility

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jaehyun Ha,

**Primary Session Chair(s):** Jaehyun Ha

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jaehyun Ha	Access to Food in Physical and Hybrid Space: Web Scraping Online Delivery Service Platforms
Fahui Wang, <i>Louisiana State University</i>	From Physical to Virtual Accessibility: 20 Years After 2SFCA
Ruopu Li, <i>Southern Illinois University</i>	The Digital Health Divide: Understanding Telehealth Adoption from the Lens of Geography and Race
Cheryl Knott	Community Change and Community Connectedness in Baltimore City from 2010 to 2020
Yuying Xie, <i>No Affiliation</i>	Digital Geography of the Global English Language Teaching Industry

## Rural Themes

**Type:** Paper

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Dawn Drake, University of Oklahoma

**Primary Session Chair(s):** Andrew Husa *University of Nebraska-Lincoln*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Molly McNeil	Navigating Rural Ruin: Infrastructural Dynamics in Australia's New England North West
Yunxi Wu	Dynamics of Rural Migration and Inter-Ethnic Disparities in Post-Cash Crop Boom Periods: A Case Study of the Oolong Tea Industry in Vietnam's Central Highlands
Dongjin Zhou	Does rural revitalization have an impact on the livelihood of land transfer farmers in rural China? Based on comparisons between poor and non-poor rural areas

## Geospatial Health Research Symposium - Cancer studies

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson *Michigan State University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Mathew Chidera Ugwuanyi	Analysis of lung cancer disparity in Wisconsin, U.S.A
Veronica Gomes	Ethnic Enclaves and Breast Cancer Stage at Diagnosis: A Residential History Analysis of New Jersey Hispanics

Vanhvilai Douangchai Wills	Increasing access to lung cancer screening among women – a geographic perspective to proximity of lung cancer screening facilities to FDA-approved accreditation mammography facilities
Eric Brannen	The Exploration of Health Disparities in Female Breast Cancer Mortality in New Mexico

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Geospatial Platform for Sustainability Research and Education

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Shaowen Wang, UIUC

**Primary Session Chair(s):** Shaowen Wang *University of Illinois Urbana-Champaign*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Yuan May <i>National Science Foundation</i>
Panelist	Budhu Bhaduri <i>Oak Ridge National Laboratory</i>
Panelist	Nadine Alameh <i>Taylor Geospatial Institute</i>
Panelist	Sarah Battersby <i>ESRI</i>

## CAPE Outstanding Book Award: Alienation and disorientation beyond the environmental politics of the subsurface

**Type:** Virtual Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Jenny Goldstein, Cornell University  
**Primary Session Chair(s):** Jenny Goldstein *Cornell University*  
**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 2

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Kai Bosworth <i>Virginia Commonwealth University</i>

**RSSG John Jensen Distinguished Lecture**

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Caiyun Zhang, Florida Atlantic University

**Primary Session Chair(s):** Caiyun Zhang *Florida Atlantic University*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Other	Soe Myint

**Human Dimensions of Global Change awards ceremony**

**Type:** Panel

**Sponsor Group(s):** Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Matt Hamilton,

**Primary Session Chair(s):** Matt Hamilton

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 311 (Kauaʻi), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Response to Environmental Risk / Hazards

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sri Baral

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Bradley Popovich	Michigan's Pioneering PFAS Control Strategy: A Blueprint for Environmental Leadership
Yazidhi Bamutaze	Contextualizing early warning systems for environmental risk management in polycrisis communities. A case study of Nyamwamba catchment on mountain Rwenzori in Western Uganda
Danielle Poole	Damage to medical complexes: evidence from a geospatial analysis
Jian Chen, <i>University of North Alabama</i>	Human Accessibility and Lightning Wildfires in Semiarid Regions
Sri Baral	Impact of Market Proximity on Hazardous Forest Fuel Treatment Activities in Colorado

#### Retail and Consumer Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Debjani Das

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Yognki Kim	Analysis of Quick Commerce MFC Location Using Network Centrality: Focusing on Brand-Level Analysis with Modified Indices
Yina Sima	The changing form of modern shopping malls
Xiaohang RUAN	Assessing the Influence of Workplace Built Environment on Workers' Business-Related Travel in Hong Kong: A Discrete Choice Modeling Approach
SAIZU WANG	Non-commuting trips of first-generation new town residents in the Seoul metropolitan area under spatio-temporal evolution: an exploration of changes, characteristics, and causes from 2002-2016 : based on household travel diary survey data
Debjani Das	Analysis of large-scale brand networks based on Consumers' spatial shopping behavior

**Urban Experience, Regeneration, and Creation****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Program Committee,**Primary Session Chair(s):** Anders Moeller**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325A, Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Jeongseob Kim	Commercial Decline and Revitalization of Small and Medium-sized Cities in Korea
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**Agriculture and Global Change****Type:** Paper**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Brian Dowduribe

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Elise Piazza	Predictors of cattle milk productivity in Rondônia, Brazil
Mario Mighty, <i>University of North Alabama</i>	Modeling the Future of Jamaica's Coffee Production in a Changing Climate
Keely Patelski	Complexities in the Food System: The Case of Nepal
Chloé L'Ecuyer-Sauvageau	Analyzing a collective service to improve climate change adaptation in agroecosystems: Advisory clubs in the groundnut basin of Senegal
Brian Dowd-Urbe, <i>University of San Francisco</i>	Maintaining Momentum: GM crop development and strategic erasures in Africa

## Environmental Geographies

**Type:** Virtual Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 8

**Presentations (if applicable) and Session Agenda:**

Douglas Gallaway, <i>Farmingdale State College</i>	A Multitemporal Drone Remote Sensing Approach to Monitoring Change In Southern Pine Beetle Damage: a Long Island Case Study
Jessie Abrego Bonilla	Beneath Earth's Surface, Unveiling Waters: A Visual Exploration of Groundwater in the Guarare River Watershed (Panamanian Pacific Coast) for Enhanced Management Strategies.

Mohammad Sadman Alam	Visualization of Water quality parameters off the Saint Martin's Island, Bangladesh
Song Shu	Automated Integration of Operational Satellite Radar Altimetry Missions for Timely Lake Water Level Monitoring
Natalie Nunez	Spatiotemporal Analysis of Supraglacial Streams on the Greenland Ice Sheet from 2009-2017 using Remote Sensing
mikaela Flores	Quantifying changes in greenness in the arid western USA (3.3 million km <sup>2</sup> ) from 1985-2020 using geospatial techniques: preliminary findings and methodological review.
Benjamin Hillesheim	Modeling species distribution of the giant beaver ( <i>Castoroides ohioensis</i> ) during the Late Pleistocene
Qian Cao	Quantifying the impact of urban green space pattern on urban mesoscale thermal environments: a modeling perspective

## James R. Anderson Medal of Honor in Applied Geography Keynote

**Type:** Panel

**Sponsor Group(s):** Applied Geography Specialty Group

**Primary Organizer:** Lauren Childs-Gleason, NASA

**Primary Session Chair(s):** Lauren Childs-Gleason *NASA*

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Introduction
Keynote Speech

### Non-Presenting Participants

Role	Participant
Introduction	Rebecca Loraamm <i>University of Oklahoma</i>
Panelist	Gary Molyneaux <i>Molyneaux Associates, Inc.</i>

### WS3\_5: GIS Resources for Climate Resilience

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

#### Non-Presenting Participants

Role	Participant
Instructor	Dan Pisut
Instructor	Kathy Cappelli Brier

WS3\_6: Spatial (Hierarchical) Bayesian Prediction & Mapping using Excel ONLY Covid19, housing etc. need quick/easy/scientific map predictions. [No GIS/stat experience necessary.]

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Rudy Banerjee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 323C, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Instructor	Rudy Banerjee

### Regional Economic Resilience in Turbulent Times

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jesse Sutton, Western University

**Primary Session Chair(s):** Jesse Sutton *Western University*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 12

#### Presentations (if applicable) and Session Agenda:

Jesse Sutton	Regional Economic Resilience and Post-Crisis Growth Paths: Hysteresis, Homeostasis, and Homeorhesis
Alec Colarusso	CRIS-Hazard: A Web-based Platform for Integration of Near-real Time Camera Images via IOT to Aid Flood-related Resilience Planning

### Symposium on Human Dynamics Research: Transactions in Spatial Data Mining

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Daniel Adams, Geospatial Science and Human Security Division, Oak Ridge National Laboratory

**Primary Session Chair(s):** Daniel Adams *Geospatial Science and Human Security Division, Oak Ridge National Laboratory*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 312 (Ni`ihua), Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Daniel Adams	Modeling Building Usage through Object Detected Footprint Morphology
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Yue Jing	Multi-scale complex network analysis of commuting efficiency: urban connectivity, hierarchy, and labor market
Kai Cao	Spatial Multi-Objective Land Use Optimization toward Livability
Hayley Peter-Contesse	Identifying spatial groupings of soil carbon drivers across the Hawaiian Islands

## AI and Big Data in Tourism and Hospitality: social media, spatially distributed data and data mining

**Type:** Virtual Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Andrei Kirilenko,

**Primary Session Chair(s):** Andrei Kirilenko *University of Florida*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 11

### Presentations (if applicable) and Session Agenda:

Yuting An, <i>University of Florida</i>	Exploring factors influencing tourists' risk reduction behavior during natural disasters
Svetlana Stepchenkova	Authenticity Online: How Audiences Authenticate SMIs Who Organically Promote Destinations
Xuan HE	Using mobile phone big data and street view images to explore the effects of walkability on walking behavior
Seonjin Lee	Measuring the Impact of Fukushima Nuclear Water Release on Tourism: Case of South Korea
Andrei Kirilenko	Biodiversity of greenspaces accessible for vulnerable population groups: citizen science data analysis

## Community-Based Hazard Adaptation Planning

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Ria Mukerji, University of New Mexico

**Primary Session Chair(s):** Ria Mukerji *University of New Mexico*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Ria Mukerji, <i>University of New Mexico</i>	Disaster response in the wake of the Hermit's Peak and Calf Canyon Wildfire's in New Mexico
Carolina S. Velasquez Calderon	Rainwater storage systems: Preserving Tradition and adapting to Droughts and Tropical Cyclones in San Andres Island, Southwestern Caribbean
Ashley Allen, <i>SUNY Oneonta</i>	From Sinkholes to Solutions: Community-Driven Hazard Adaptation in Baton Rouge, Louisiana
Michelle Kim	Linking regional climate change to drought risk perception and adaptation in rural Wyoming communities

## Journalistic Place-Making in the Media's Coverage of Severe Weather

**Type:** Virtual Panel

**Sponsor Group(s):** Digital Geographies Specialty Group, Hazards - Risks - and Disasters Specialty Group, Media and Communication Geography Specialty Group

**Primary Organizer:** Victoria Johnson, University of Oklahoma

**Primary Session Chair(s):** Victoria Johnson *University of Oklahoma*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

Panel Discussion
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### Non-Presenting Participants

Role	Participant
Introduction	Victoria Johnson <i>University of Oklahoma</i>
Panelist	Robert Gutsche <i>Florida Atlantic University</i>
Panelist	Nikki Usher <i>University of San Diego</i>
Panelist	Marcus Funk <i>Sam Houston State University</i>
Panelist	Kodi Berry <i>National Oceanic and Atmospheric Administration, National Severe Storms Laboratory</i>
Panelist	Kim Klockow-McClain <i>National Oceanic and Atmospheric Administration, NWS National Centers for Environmental Prediction (NCEP)</i>
Panelist	Kristy Hess <i>Deakin University Australia</i>

## Geographies of corporate climate accountability

**Type:** Panel

**Sponsor Group(s):** Climate Specialty Group, Legal Geography Specialty Group

**Primary Organizer:** Delta Merner, Union of Concerned Scientists

**Primary Session Chair(s):** Delta Merner *Union of Concerned Scientists*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Shaina Sadai <i>Union of Concerned Scientists</i>

Panelist	Benjamin Leffel
Panelist	Sophia Carodenuto
Panelist	Julianne Hazlewood

## Futures in conservation and mālama ‘āina

**Type:** Paper

**Sponsor Group(s):** Indigenous Peoples Specialty Group

**Primary Organizer:** Kathryn Besio, University of Hawai‘i at Hilo

**Primary Session Chair(s):** Kathryn Besio *University of Hawai‘i at Hilo*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 315 (Moloka‘i), Third Floor, Hawai‘i Convention Center

### Presentations (if applicable) and Session Agenda:

Anya Benavides	Connections from Makai to Mauka
Anna Ezzy	Women-identifying Agroforestry Practitioners' Experiences and Access to Government Support for Conservation in Hawai‘i
Kalena Shiroma	Comparing the efficacy of sUAS to ground measurements of Hawaii island forests with applications to steep and remote areas
Nai‘a Odachi	Science and Art Intersect: Visualizing Rapid ‘Ōhi‘a Death Mortality in Hawai‘i Forests and Hawai‘i Centric Artwork for Science Communication

### Non-Presenting Participants

Role	Participant
Discussant	Gina McGuire <i>Akaka Foundation for Tropical Forests</i>

## Moving the Needle on Gender Equity in Academia: Tracking the Status of Women and Marginalized Groups in Geography

**Type:** Panel

**Sponsor Group(s):** AAG JEDI Committee, Feminist Geographies Specialty Group

**Primary Organizer:** Barnali Dixon, USF

**Primary Session Chair(s):** Barnali Dixon *USF*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Introduction	Barnali Dixon <i>USF</i>
Panelist	joann mossa <i>UF</i>
Panelist	selima sultana <i>UNGC</i>
Panelist	ann oberhauser <i>Iowa state</i>
Panelist	Wei LI <i>ASU</i>

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Advances in Remote Sensing and Artificial Intelligence for Sustainable Development Goals

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Peifeng Ma, The Chinese University of Hong Kong

**Primary Session Chair(s):** Peifeng Ma *The Chinese University of Hong Kong*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Jiannan Cai, <i>Chinese University of Hong Kong</i>	Revealing the pathways among visual exposures, place perceptions, and mental health considering individual mobility
Zherong Wu	Utilizing SAR-Transformers for Analyzing and Interpreting InSAR Time-Series Deformations: A Case Study on the Hong Kong-Zhuhai-Macao Bridge
Bingbing Zhao	Quantifying Carbon Emissions in Urban Built-Up Areas: An Integrated Approach Using Multi-Source Data
Peifeng Ma	Understanding the Influences of Drainage and Rewetting on Peatland Carbon Emissions Using InSAR and Multitemporal Landsat Observations

**Practicing Community Geography 3: Hybrid****Type:** Paper**Theme:** Reciprocal Scholarship**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geography Education Specialty Group**Primary Organizer:** Jennifer Mokos, Coastal Carolina University**Primary Session Chair(s):** Jennifer Mapes *Kent State University***Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318B, Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Kayla Anderson, <i>Vanderbilt University</i>	Community Organization & Academic Collaboration to Address Environmental and Health Inequities: The Grundy County Cancer Research Organization- Community Engaged Research Project
Jerry Shannon, <i>University of Georgia</i>	Collaborative research on the charitable food system in Georgia: Making maps out of mess
Chris Strunk	Refugee resettlement, migrant institutions, and reciprocity in community geography

Dani Slabaugh	Desire-based Disaster Praxis: Community-based knowledge production for transformative adaptation
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## GeoAI and Deep Learning Symposium: GeoAI for Sustainable and Computational Agriculture II

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jinmeng Rao, Alphabet Inc.

**Primary Session Chair(s):** Jiahao Fan *University of Wisconsin-Madison*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Manan Sarupria	The role of hydroclimatic factors in driving the spatio-temporal changes in salt-impacted farmlands in coastal Delmarva
Michael Cecil	Applying Geospatial Foundation Models for Smallholder Agriculture
Yuhao Wang	Enhancing Soybean Yield Forecasting in Latin America's Extreme Weather Seasons using Deep Learning.
Bhuwan Thapa	Effectiveness of Windbreaks in Reducing Crop Loss in the Midwest, USA
Tao Liu	Transferability of Crop Mapping Model Across Time, Space And Sensor

## Migration, population and development in China

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jianfa Shen, Department of Geography and Resource Management; Research Centre for Urban and Regional Development, The Chinese University of Hong Kong

**Primary Session Chair(s):** Jianfa Shen *Department of Geography and Resource Management, The Chinese University of Hong Kong*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Hua Li	Exploring the population distribution pattern of three provinces in Northeast China: Insights from the 2000-2020 census data
Jianfa Shen	Analysis of changing internal migration in China 2010-2020: Results using modelling and simulation approaches
Yuzhou Chen, <i>No Affiliation</i>	Examining Migration and Investment Flow from Shrinking Cities in Urban Networks
Tianjiao Li	Factors of Migrants' Multi-Stage Flow in China: Group Disparity and Past Migration Experience
Sen Li	Geography of Intercity Migration Flows in China, 2000-2015: The Impact of City Industrial Structure

**Author Meets Comrades: Urban Ecologies at the Edge by Kristian Saguin (2022)**

**Type:** Panel

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Joseph Palis, University of the Philippines-Diliman

**Primary Session Chair(s):** Joseph Palis *University of the Philippines-Diliman*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
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Role	Participant
Panelist	Sayd Randle <i>Singapore Management University</i>
Panelist	Aireen Andal <i>Macquarie University</i>
Discussant	Nitin Bathla <i>ETH Zurich</i>
Discussant	James Tyner <i>Kent State University</i>
Discussant	Kristian Karlo Saguin <i>University of the Philippines-Diliman</i>

## Spatial Analysis and Modeling (SAM) / Geographical Analysis Plenary: Peter Rogerson, Arizona State University

**Type:** Panel

**Sponsor Group(s):** Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Rachel Franklin, Newcastle University

**Primary Session Chair(s):** Rachel Franklin *Newcastle University*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

annual lecture

### Non-Presenting Participants

Role	Participant
Other	Peter Rogerson <i>Arizona State University</i>

## Polar Geography and Cryosphere Plenary

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cryosphere Specialty Group, Indigenous Peoples Specialty Group, Polar Geography Specialty Group  
**Primary Organizer:** Mia Bennett, University of Washington  
**Primary Session Chair(s):** Mia Bennett *University of Washington*  
**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Dr. Margaret Rudolf, Plenary Speaker
Dr. Niiyokamigaabaw Deondre Smiles, Discussant
Dr. Tatiana Degai, Discussant
Q&A

**Non-Presenting Participants**

Role	Participant
Introduction	Mia Bennett <i>University of Washington</i>
Panelist	Margaret Rudolf <i>University of Alaska Fairbanks</i>

**Bridging Island Studies and Political Geography: Archipelagos, Oceanic Governance, and Multiple Territorialities 2**

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Meagan Harden,

**Primary Session Chair(s):** Meagan Harden

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Meagan Harden, <i>University of Hawai'i at Mānoa</i>	Exclusive Zones, Overlapping Territorialities: An Ocean-Centered Analysis of US Indo-Pacific Policy
Yu-Chia Lin	Scientific Territoriality over the Ocean: Data Production, Resource Distribution, and the Geopolitical Ecology of the High Sea Fishery
Yong-Ping Gu	Fuzzy boundaries: an integrative perspective of spatial governance practices in Penghu Islands, Taiwan
Elizabeth Havice	The geopolitical economy of foreign fisheries access arrangements

## Place & the Social-Spatial Determinants of Health Symposium 4 Panel

**Type:** Panel

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Wataru Morioka, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Marynia Kolak *University of Illinois at Urbana-Champaign*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Marynia Kolak <i>University of Illinois at Urbana-Champaign</i>
Panelist	Imelda Moise <i>University of Miami</i>
Panelist	Susan Cassels <i>University of California, Santa Barbara</i>
Panelist	Elizabeth Ackert <i>University of California, Santa Barbara</i>

## River Systems in Transition: Geomorphological Insights and Environmental Challenges

**Type:** Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Sarah Praskievicz, University of North Carolina, Greensboro

**Primary Session Chair(s):** Amobichukwu Amanambu *University of Alabama*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sarah Praskievicz, <i>University of North Carolina at Greensboro</i>	Geomorphic impacts of large wood in Coastal Plain rivers of the Southeast US
Derek Martin, <i>Appalachian State University</i>	Assessing the accuracy of different spatial interpolation algorithms when used to derive bathymetry from SONAR point clouds in small rivers
Amobichukwu Amanambu, <i>University of Florida</i>	Hydrological Drought and Disconnectivity: Quantifying Low Flow Conditions in Apalachicola River
Jacob Bateman McDonald, <i>University of North Georgia</i>	Elevated entrenched surfaces: the importance of slumping in Appalachian Piedmont stream development
Martin Thoms	RESILIENCE AND RIVER FUTURES

## Big Data Computing for Geospatial Applications (4)

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Zhenlong Li, Pennsylvania State University, US

**Primary Session Chair(s):** Huan Ning *Pennsylvania State University, US*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Yiwen Tang	Study on Spatial Quality Assessment of Historical and Cultural Landscape Areas Based on Street View Images
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Guiye Li	Bayesian Super-Resolution of Climate Datasets with Deep Generative Models
Seung Bae Jeon	Marine Monitoring based on Satellite Images and AIS Data Using Deep Learning Models
Devon Lechtenberg	A Spatio-Temporal Analysis of Evolving Slates of Predictor Variables for Work-from-Home Rates in Connecticut
Zhan Peng	Understanding the spatially varying impacts of determinants on metro rail ridership using geographically weighted Poisson regression model

## GIS Certification - Grow or improve your certificate program

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):** Andrea Freeman *University of Calgary*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Jane Southworth <i>University of Florida</i>
Panelist	Alec Brownlow <i>DePaul University</i>
Panelist	Dawn Drake <i>University of Oklahoma</i>
Panelist	Kevin Raleigh <i>University of Cincinnati</i>

## Spatial Optimization and Analysis 2

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Xin (Selena) Feng,

**Primary Session Chair(s):** Ran Wei

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Liang-Jun Zhu	Spatiotemporal optimization framework of best management practices for sustainable watershed management
Selena Feng	Delineating Spatial Unit Boundaries for Social-Environmental Systems Analysis and Modeling – Combining Vector and Raster Data
Enbo Zhou	Addressing Orientation in Spatial Optimization for Facility Siting
Alan Murray	Revisiting spatial compactness measures and metrics
Huanfa Chen	Multi-objective facility location optimisation

## Transportation Justice 5: Exploring the dimensions of transit users

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Anastasia Soukhov, McMaster University

**Primary Session Chair(s):** Hannah King *UCLA*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Leanna Greenwood	Refugees in Transit: Refugee Women's Perspectives on Space, Transportation, and Mobility During Resettlement in Atlanta
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Wambūi Kariūki	Examining and Improving Transport Services through the Lens of Dignity: A Proposal and Preliminary Application to Paratransit
Tam Guy	Trans on Transit: How transgender and nonbinary people experience US public transit spaces as forums of intersectional social hierarchy
Hannah King	Fair Discount: Recent Trends in Transit Pricing in the U.S.
Yogi Joseph	Passenger by public transport: Infrastructure, frictions and agency

## Global Development, Speculative Urbanism and Infrastructure 4

**Type:** Panel

**Sponsor Group(s):** Development Geographies Specialty Group, Economic Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Naomi Hazarika, University of Colorado, Boulder

**Primary Session Chair(s):** Eric Sheppard *UCLA*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Naomi Hazarika <i>University of Colorado, Boulder</i>
Panelist	David Fernando Bachrach <i>University of Colorado, Boulder</i>
Panelist	Helga Leitner <i>UCLA</i>
Discussant	Michael Goldman <i>University of Minnesota</i>

Panelist	Eric Sheppard <i>UCLA</i>
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## AAG 2024 Symposium on Geospatial Data Science for Human Dynamics: Urban Mobility

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Chun-Hsiang Chan, Department of Geography, National Taiwan Normal University

**Primary Session Chair(s):** Chun-Hsiang Chan *Department of Geography, National Taiwan Normal University*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

You Yun Cheng	Spatio-Temporal Deep Learning for Urban Mobility: Traffic and Pedestrian Flow Prediction with MRT Data
Yun-Hsin Wen	Investigating the Impacts of Different Data Integration Methods on Urban Population Flow Forecasting: A Graph Neural Network Approach
CHIEN-YI LO	Applying Spatial Autocorrelation Architecture in Graph Generative Adversarial Networks to Metro Passenger Flow Forecasting
Po-Yu Yeh, <i>Undergraduate Program in the College of Electrical Engineering of Computer Science, Chung Yuan Christian University</i>	DRPT: A new technique for evaluating the robustness of synthetic data based on a box-counting algorithm
Jiwon Baik, <i>UC santa barbara</i>	Enhanced Compactness Measurement for Complex Geometries Using Euclidean Shortest Path

## GFASG Plenary Event: Perspectives and visions towards Indigenous food sovereignty in Hawaii

**Type:** Panel

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Kristen Lowitt, Queen's University

**Primary Session Chair(s):** Subhashni Raj *University of Hawaii at Manoa*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Dexter Kishida <i>Department of Agriculture in Hawaii</i>
Panelist	Alexandra Narrajos <i>University of Hawaii at Manoa</i>
Panelist	Manulani Meyer <i>University of Hawaii West O'ahu</i>

**Engaging biocultural and relational approaches to care-based stewardship 5: Instruments and dialogue for transformation**

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Lindsay Campbell, Northern Research Station, USDA Forest Service

**Primary Session Chair(s):** Lindsay Campbell *USDA Northern Research Station*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Natalie Gulsrud	Networks of Care in Nature Based Solutions: exploring how relational values transform stewardship practices in a marginalized housing area
Amir Sheikh	Building community-capacity for contaminated riverscapes: Relational care-based approaches to Duwamish River stewardship

Rachel Dacks	Beyond acres and hours: how do volunteers value participation in biocultural restoration?
William Munger	Reciprocal Watershed Agreements: A Relational Approach to Care-Based Stewardship?
Joanne Clapcott	Decolonizing Environmental Monitoring: Māori Temporal Ontologies and Biocultural Stewardship

## Understanding Climate Change Effects on Environmental Health through GIScience: Water Insecurity, Air Pollution, and Health Disparities

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Joynal Abedin, Texas A&M University

**Primary Session Chair(s):** Joynal Abedin *Texas A&M University*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yan Lin, <i>University of New Mexico</i>	Advancing Community Driven Health Equity Research with Indigenous Peoples: Towards a Synergy in Geography
Jack Cheng	Intraurban Geography of Aromatic Hydrocarbon Air Pollutants and their Associations with Marginalization and Health in Hamilton, Ontario
Michael Jerrett	Assessing the Exposure and Health Impacts of Prescribed Burning in California
Scarlett Rakowska, <i>No Affiliation</i>	Associating health diseases with exposure and access to outdoor urban spaces in Toronto neighbourhoods
Lei Zou, <i>Texas A&amp;M University</i>	Climate-LEAD: Climate Effects on Localized Environmental Health Disparities in Overburdened Texas Communities along the Gulf Coast

## Collaborative field school 2: Lessons from the field

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Krisnawati Suryanata, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Micah Fisher *The East-West Center*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Anna Duerr <i>University of Hawai'i at Mānoa</i>
Panelist	Fatwa Faturachmat <i>Universitas Hasanuddin, Indonesia</i>
Panelist	Andi Vika Faradiba Muin <i>Universitas Hasanuddin, Indonesia</i>
Panelist	Tansuda Jinai <i>Khon Kaen University, Thailand</i>
Panelist	Krisnawati Suryanata <i>University of Hawai'i at Mānoa</i>

## Geospatial Health Research Symposium - Cancer studies II

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Nana Ama Obeng Nti	The Validity of Cancer Mortality to Incidence Ratio as a Proxy for Cancer Survival: A Geographic Scale Sensitivity Analysis.
Xiu Wu, <i>Texas State University - San Marcos</i>	Understanding and Minimizing MAUP Impacts of Spatial Autocorrelation in Lung Cancer Mortality of the U.S.
David Haynes	Who is eligible for lung cancer screening: national estimates of current and former smokers eligible for lung cancer screening using smoking pack-year history
Hanqi Li	Enhancing Precision in Cancer Surveillance: Disaggregating Data from County to Zip-Code Level through Monte Carlo Simulation

## Building a Research Coordination Network

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Wendy Jepson,

**Primary Session Chair(s):** Justin Stoler *University of Miami*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Wendy Jepson - Introduction
Tom Evans
Denielle Perry
Panelist 4
Panel Discussion

Q&A Block

Chair - Final Considerations

#### Non-Presenting Participants

Role	Participant
Panelist	Tom Evans <i>National Science Foundation</i>
Panelist	Wendy Jepson <i>Texas A&amp;M University</i>
Panelist	Denielle Perry <i>Northern Arizona University</i>

#### RSSG Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Caiyun Zhang, Florida Atlantic University

**Primary Session Chair(s):** Caiyun Zhang *Florida Atlantic University*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

#### Indigenous Peoples

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Melanie Mayall-Nahi

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Heather Castleden	tašiiʔakqin (Our Journey): Huu-ay-aht Perspectives on Modern Treaty Implementation
Polina Syadeyskaya	Indigenous-Driven Institutional Change, Wealth Distribution, Inequality and Subsistence Livelihood in a Reindeer Herding Community: A Case of the Yerv Cooperative, Nenets Autonomous District
Ben Kopania	An Analysis of the Toledo Development Corporation
Melanie Mayall-Nahi	Mahi with the Nahi's: The transformative impact of hāngī practices on whānau engagement and intergenerational knowledge transfer

## Immigration and Belonging

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Peter Dirksmeier

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Marina Salnikova	The Community in Flux: Identity Directions among Members of the Russian-Speaking Migrant Community in Germany
Rachael Diniega	Im/Mobility in Action: Shaping Social Remittances and Climate Adaptation in Morocco
Peter Dirksmeier	The relationship of patriotism, authoritarianism, and anti-immigrant attitudes with social cohesion in Singapore

## Temporal Analysis of Housing Inequality

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sean Grisdale	Condo-ism and the Privatization of Provincially-Owned Land in the Greater Toronto Area (1993-2022)
Jeff Rose	Patterns of unsheltered homelessness over time: Mapping visible urban encampments in Salt Lake City, Utah
Elina Maarja Suitso	Intergenerational transmission of residential segregation after a major societal upheaval

## Housing Inequality

**Type:** Paper

**Sponsor Group(s):** Ethnic Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Madhuri Sharma

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

David Flores Moctezuma	Homeownership Gaps among Race and Age groups in the United States and California
Tatiana Acevedo Guerrero	Homescales, water, and potentiality: Everyday domestic infrastructures in San Andrés
Jaeyup Jung	Transition to Homeownership and Its Impact on Fertility: A Study of Newlywed Couples in South Korea

Madhuri Sharma	Homeownership and Race/Ethnicity in an Emerging Immigrant Gateway of the U.S. Southeast
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## Gender, Justice, and Healing Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Nushrat Jahan

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Si Qiao	Intersectionality of gender and age in ride-hailing
Adam Pine	The gender-hunger trauma matrix: Exploring how gender informs US women's experiences of hunger
Jeremy Tasch, <i>Towson University</i>	Writing Place: Resisting Creativity and Creative Resistance
Bethany Craig	"Ass and scars touched by the sun:" Reinhabiting and Reimagining the Outside and Otherwise Through BDSM and Body Markings

## Flora and Fauna Mapping and Distribution

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Roger Sayre

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Danxia Song	The development and application of the fine-resolution fractional vegetation cover product
Austen Lorenz	AIMS for Wildlife Customized Wildlife Reports: Helping Propel Wildlife Management into the 21st Century
Roger Sayre, <i>United States Geological Survey</i>	Changing Ecosystems - Modeling the 2050 World Terrestrial Ecosystems

## Geographies & Migration

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jeannette Gabriel

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Mu-Jeong Kho	Can the Basic Income Truly Act as a Trigger for Self-Organising a New Resilient System of Migration?
Fedor Popov, <i>University of Colorado Boulder</i>	Imagined Homelands: Nationalism, Territoriality and War Experience in the Republika Srpska
Jeannette Gabriel	Building Black Generational Wealth on the Western Frontier

## IJURR Lecture: Imperial Geographies: The Wilderness and the Grave

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Liza Weinstein,

**Primary Session Chair(s):** Liza Weinstein

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Neferti X. M. Tadiar

### **Teaching Modern GIS: Approaches and Perspectives**

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Joseph Kerski, Esri

**Primary Session Chair(s):** Joseph Kerski *Esri*

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Amy Rock <i>Cal Poly Humboldt</i>
Panelist	Shea Lemar <i>Arizona State University</i>
Panelist	Tara Vansell <i>Lindenwood University</i>
Panelist	Kirk Oda <i>Tarrant County College</i>

### **Student Networking Fair**

**Type:** Networking

**Sponsor Group(s):** Graduate Student Affinity Group, Undergraduate Student Affinity Group

**Primary Organizer:** Emily Frisan, American Association of Geographers

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Tapa Ballroom 1, Tapa Tower, 2nd Floor, Hilton Hawaiian Village

**Presentations (if applicable) and Session Agenda:**

### WS3\_8 Using Visual Participatory Methods to Decolonize Your Conservation Research

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Shannon Swanson,

**Primary Session Chair(s):** Shannon Swanson

**Date:** 4/18/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 323B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Ethnic Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Ethnic Geography Specialty Group

**Primary Organizer:** Wan Yu,

**Primary Session Chair(s):** Wan Yu

**Date:** 4/18/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Wine - Beer - and Spirits Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Wine - Beer - and Spirits Specialty Group

**Primary Organizer:** John Nowlin,

**Primary Session Chair(s):** John Nowlin

**Date:** 4/18/2024 **Time:** 4:40 PM - 5:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**YPN Networking Reception**

**Type:** Networking

**Sponsor Group(s):**

**Primary Organizer:** Rosemary Boone, ESRI

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 5:00 PM - 8:00 PM **Room:** Palace Lounge

**Presentations (if applicable) and Session Agenda:**

**KAGES (Korea-America Association for Geospatial and Environmental Sciences) general meeting**

**Type:** Meeting

**Sponsor Group(s):**

**Primary Organizer:** Jieun Lee,

**Primary Session Chair(s):**

**Date:** 4/18/2024 **Time:** 5:00 PM - 6:00 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Regional Development and Planning Specialty Group Business Meeting**

**Type:** Meeting

**Sponsor Group(s):** Regional Development and Planning Specialty Group

**Primary Organizer:** Han Li,

**Primary Session Chair(s):** Han Li

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Africa Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Africa Specialty Group

**Primary Organizer:** Samuel Adu-Prah,

**Primary Session Chair(s):** Samuel Adu-Prah

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### Biogeography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Biogeography Specialty Group

**Primary Organizer:** Jeremy Johnson,

**Primary Session Chair(s):** Jeremy Johnson

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 309, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Climate Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Climate Specialty Group

**Primary Organizer:** Kelsey Ellis,

**Primary Session Chair(s):** Kelsey Ellis

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Human Dimensions of Global Change Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Matthew Hamilton,

**Primary Session Chair(s):** Matthew Hamilton

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 301A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## 2024 World Geography Bowl

**Type:** Networking

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):** American Association of Geographers

**Date:** 4/18/2024 **Time:** 6:00 PM - 10:40 PM **Room:** Tapa Ballroom 2, Tapa Tower, 2nd Floor, Hilton  
Hawaiian Village

**Presentations (if applicable) and Session Agenda:**

## Historical Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Historical Geography Specialty Group

**Primary Organizer:** Mark Rhodes,

**Primary Session Chair(s):** Mark Rhodes

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Community Geographies Collaborative Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group

**Primary Organizer:** Jen Mapes,

**Primary Session Chair(s):** Jen Mapes

**Date:** 4/18/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Changing food 1: transforming, resisting, and unpacking corporate food regimes (emphasis on transforming)**

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Laura Cuch, Goldsmiths, University of London

**Primary Session Chair(s):** Benjamin Schrager *Utsunomiya University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Laura Cuch Grases, <i>Goldsmiths, University of London</i>	Food that Can Make a Change: Community Culinary Actions in Barcelona as Networks of Collective Participation and Care
Joan Pan	Digital cultural geography of food: Exploring the meanings of tea on blogs and social media
Caitlin Morgan	Measuring Social Embeddedness in Regional Food Systems
Thi-Thanh-Hiên PHAM, <i>Université du Québec à Montréal</i>	'Have a heart when bringing food to people': Practicing alternative food systems in urban Vietnam
Kristen Lowitt discussant comments followed by general discussion	

**Non-Presenting Participants**

Role	Participant
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Role	Participant
Discussant	Kristen Lowitt <i>Queen's University, Canada</i>

## Climate Change and Tourism: geographical perspectives from the global south to the global north

**Type:** Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Patrick Brouder, Thompson Rivers University

**Primary Session Chair(s):** Patrick Brouder *Thompson Rivers University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Land Acknowledgement & Welcome to Session	
Lisa Vebber	Leveraging Informality in Pursuit of Social Adaptive Capacity: An exploration of tourism company owners in Botswana, Uganda, and Zimbabwe
Tanya Promburom	Can Tourism Solve the Haze Crisis? A Political Ecology of Farming Livelihood Substitution Initiatives in Northern Thailand
Ryan Naylor	Fostering community well-being in times of change: Insights from southeast Alaskan communities
Dan Grafton	Tourist Motivations in the Arctic: The (Non-)Role of Climate Change in Northernmost Alaska
Patrick Brouder, <i>Thompson Rivers University</i>	Arctification and Climate Change in Tourism in Northern Canada

## Error and Change Analysis in GIS and Remote Sensing

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Thomas Bilintoh, Clark University

**Primary Session Chair(s):** Robert Pontius Jr *Clark University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Tanner Honnef	Total Operating Characteristic's Use in Practice with an Example
Desmond Fosuhene	Intraseasonal Variations in Vegetation Health and Land Surface Temperature across Madison County, Illinois in 2023
Wei Fan	Continuous Remote Sensing Ecological Index (CRSEI): Unveiling Annul Eco-Environmental Quality Changes of the Continental Coast of East and Southeast Asia
Robert Pontius, <i>Clark University</i>	Kappa The Undead

## Connecting Domestic and International Scholars for Enhanced Grant Opportunities and Global Research

**Type:** Panel

**Sponsor Group(s):** Biogeography Specialty Group

**Primary Organizer:** Rabindra Parajuli, Florida Atlantic University

**Primary Session Chair(s):** Rabindra Parajuli *Florida Atlantic University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

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**Non-Presenting Participants**

Role	Participant
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Role	Participant
Panelist	Scott H. Markwith <i>Florida Atlantic University, Boca Raton, FL</i>
Panelist	Parveen Chhetri <i>California State University, Dominguez Hills, Carson, CA</i>
Panelist	Narcisa G. Pricope <i>Mississippi State University, Starkville, MS</i>

## The Past Before Us: Navigating Island-centered Histories and Futures 1

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Sasha Davis, Keene State College

**Primary Session Chair(s):** Caroline Ferguson *University of Maine*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Kyle Kajihiro, <i>University of Hawai'i – Mānoa</i>	Kaho'olawe and the Politics of Archipelagicity
Sasha Davis, <i>Keene State College</i>	Island sovereignties and alternative regional assemblages in the Pacific
Takashi Yamazaki, <i>Osaka City University</i>	Divide and conquer: Okinawa and manipulated island democracy
Emily Mitchell-Eaton, <i>Colgate University</i>	Palestine and the Pacific at the UN: The Limits of Decolonial Solidarity in Contemporary Geopolitics

## New big data infrastructure for landscape planning and analysis

**Type:** Panel

**Sponsor Group(s):** AAG Climate Action Task Force, Applied Geography Specialty Group, Digital Geographies Specialty Group

**Primary Organizer:** Catherine Brinkley, University of California Davis

**Primary Session Chair(s):** Catherine Brinkley *University of California, Davis*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panel Discussion

**Non-Presenting Participants**

Role	Participant
Panelist	Thomas Sánchez <i>Virginia Technical Institute</i>
Panelist	Sara Bronin <i>Cornell University</i>

**Understanding Weather and Climate Impacts on Surface Transportation**

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Transportation Geography Specialty Group

**Primary Organizer:** Curtis Walker, National Center for Atmospheric Research

**Primary Session Chair(s):** Curtis Walker *National Center for Atmospheric Research*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Curtis Walker	Development of a Roadway Flood Severity Index
Ayman Elyoussoufi	RELATIONSHIP BETWEEN FATAL WEATHER-RELATED CRASHES AND THE EL NIÑO-SOUTHERN OSCILLATION TELECONNECTIONS
Dave Call, <i>Ball State University</i>	COVID-19 travel restrictions on automobile crash rates and injuries

Alan Black, <i>Southern Illinois University Edwardsville</i>	Assessment of Tornado-Related Crashes in Kansas
Julia Cardwell, <i>University of North Carolina at Chapel Hill</i>	Weather-related Impacts to Local Travel in North Carolina

## Untapped: Fresh Voices in Water Resources Geography – Hydrosocial Relations

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Andrew Adams, Texas State University, Meadows Center for Water and the Environment

**Primary Session Chair(s):** Andrew Adams *Texas State University, Meadows Center for Water and the Environment*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Heather Roberts	Evidence of the Hydrosocial Cycle in Urban Environments
Noel Vineyard, <i>No Affiliation</i>	Contesting 'Dry' Hydrosocial Imaginaries of the Thacker Pass Lithium Mine
Andrew Adams, <i>Texas State University</i>	Attitudes and actions on climate change by water resource decisionmakers in Texas
Anderson De Figueiredo	Scenario Planning in Rural Communities: a Wyoming Pilot Project Anticipating Climate Transitions.

## Navigating Oceans of Revolution: An Author Meets Comrades Panel for Sharad Chari's Gramsci at Sea

**Type:** Virtual Panel

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Laurel Mei-Singh, Assistant Professor, Geography and Environment at UT Austin

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 1

**Presentations (if applicable) and Session Agenda:**

Panel Discussion

**Non-Presenting Participants**

Role	Participant
Discussant	Sharad Chari <i>Associate Professor, Department of Geography at UC Berkeley</i>
Panelist	Vinay Gidwani <i>Professor, Department of Geography, Environment, and Society at University of Minnesota</i>
Panelist	Alexander Loftus <i>Professor, Political Ecology at Kings College London</i>
Introduction	Laurel Mei-Singh <i>Assistant Professor, Department of Geography and Environment at UT Austin</i>

**Planetary inhabitations, connections and futures: agitating, creolising and crystallising more-than-human knowledges, solidarities and collaborative action #1**

**Type:** Paper

**Sponsor Group(s):** Caribbean Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group

**Primary Organizer:** Tara Elisabeth Jeyasingh, UNSW Canberra

**Primary Session Chair(s):** Tara Elisabeth Jeyasingh *UNSW Canberra*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Ningning Huang	The Invitation of a Liminal Lover: The Human Animal Trapped between Labs and Waste(is)lands
Dienke Stomph	empirical insights which agitate bodyminds and methodologies of (soil) scientists

Charlie Overton	Organizing in Disaster Spaces
Garth Myers, <i>Trinity College Hartford</i>	Creolizing Cities of the Whole-World: Fort-de-France and Zanzibar
Keith Miyake	Abolition-Democracy and the Future of Climate Change
Space for overall questions	

## Opening the geographical black box of the influencer economy 1

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session, China Specialty Group

**Primary Organizer:** Han Chu, Kiel University

**Primary Session Chair(s):** Han Chu *Kiel University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Robert Hassink	Opening the geographical black box of the influencer economy: an introduction
Bryan Mark	Out of Frame: Influencers, Dissociation, and Place Branding in the Gentrifying City
Han Chu	Spatial Distribution and Driving Factors of China's Internet Celebrity Industry: An Analysis Using MCN Data
Xin Li	Manufacturing 'Influency': A Visual Framework Analysis of Short Video Promoting Cities in China
YINGHAO ZHANG	Different Types of Influencers and Regional Interactions in the Development of Livestreaming E-commerce in China

## Symposium on GeoAI and Deep Learning for Geospatial Research: Human-centered Geospatial Data Science

**Type:** Paper

**Sponsor Group(s):** Environmental Perception and Behavioral Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Yuhao Kang,

**Primary Session Chair(s):** Yuhao Kang *GISense Lab, University of South Carolina*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Xi Gong, <i>University of New Mexico</i>	Understanding public perspectives on fracking in the United States using social media big data
Jiaxin Feng, <i>University of Washington</i>	Zooming into individuals' dynamic emotional responses to geographic environments with Neural Sensing
Meicheng Xiong	Lakeplace: Sensing interactions between lakes and human activities
Armita Kar	Road design and visual environment induce the risky speeding behaviors of teen drivers
Yuhao Kang, <i>University of Wisconsin-Madison</i>	Decoding Human Safety Perceptions with Street View Image and Eye Tracking System

## Geographic Research for Navigating Social-Ecological Regime Shifts

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Energy and Environment Specialty Group, Human Dimensions of Global Change Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Brian Chaffin, University of Montana

**Primary Session Chair(s):** Brian Chaffin *University of Montana*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Samantha Hamlin, <i>University of Nebraska - Lincoln</i>	Spatial patterns of socioecological transitions in Nebraska grasslands
Daniella Vos	Unraveling Brazil's Evolving Socio-environmental Federal Political Landscape
Chinedu Nsude	Global Analysis of Environmental Justice in Renewable Energy Development and the Intersection with Critical Restoration Geography.
Brian Chaffin	Adaptive water governance, regime shifts, and politics across working landscapes
Dr. Craig R. Allen, Discussant	

#### Non-Presenting Participants

Role	Participant
Discussant	Craig Allen <i>University of Nebraska-Lincoln</i>

## Geography Education Research- AP Human Geography and STEM Education

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Michael Scholz, Winona State University

**Primary Session Chair(s):** Michael Scholz *Winona State University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

Sung Ho Cheuk	An analysis of teachers' and pre-service teachers' perceptions of geography and STEM education integration: Issues and recommendations in the case of secondary schools in Hong Kong.
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Raisa Marcela Ortiz Cardona	Mapping Journal Evaluation: A Cartography of Risk in High Schools in Lubbock -Texas
Bren Vander Weil	Advanced Placement Human Geography: Program Access and Effectiveness by Grade Level, 2001–2020
Michael Scholz, <i>Winona State University</i>	Advanced Placement (AP) Human Geography Exam Participation and Performance in Texas School Districts
Carmen Brysch, <i>Texas A&amp;M</i>	An Examination of Underrepresented Minority Participation and Outcomes in Advanced Placement Human Geography

### Non-Presenting Participants

Role	Participant
Discussant	Michael Solem <i>Texas State University</i>

## Environmental Management in the Anthropocene: Perspectives from STS

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Justine Law, Sonoma State University

**Primary Session Chair(s):** Christine Biermann *University of Colorado Colorado Springs*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Christine Biermann, <i>University of Colorado - Colorado Springs</i>	Hybridization, Genetics, and Biodiversity Conservation in the Northern Rockies
Robert Anderson, <i>University of Washington</i>	Contested environmentalisms: Reconciling care, killing, and science in environmental management in the Anthropocene
John Casellas Connors, <i>Texas A&amp;M University</i>	Eluding the Public Trust: Exotic game hunting, land rents, and wildlife conservation in the American South
Justine Law, <i>Sonoma State University</i>	Fire fights: an STS perspective on wildfire science

Jennifer Salmond	Bridging the gap between scientists and decision makers: magic numbers and the risks of emerging environmental pollutants
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## Beyond Averages 1: Methods, Applications and Analysis of Extreme Event Climate Data

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Kristen Sanfilippo, University of Hawaii at Manoa

**Primary Session Chair(s):** Matthew Lucas *University of Hawaii at Manoa*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kristen Sanfilippo	Identifying Large-Scale Climate Patterns Associated with Heavy Precipitation Over the Hawaiian Islands Using Self-Organizing Maps
Cary Mock, <i>University of South Carolina</i>	Hawaii Winter Kona Storms and Gales since 1824
Walker Ashley	Future Windstorm and Derecho Potential in the United States
Md Islam	A Synoptic Climatological Approach to The Tropical Monsoon Climate
David Keellings, <i>University of Florida</i>	Heat Waves and Connections to Climate Variability and Change Across the United States

## Graduate Voices in the Lawscape

**Type:** Paper

**Sponsor Group(s):** Legal Geography Specialty Group

**Primary Organizer:** Janika Kuge, University of Frankfurt

**Primary Session Chair(s):** Janika Kuge *University of Frankfurt*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Welcome & Introduction by Dr. Sarah Klosterkamp	
Welcome & Intro by Sarah Klosterkamp	
Adele Balderston	Waikalua Loko I`a: Addressing Environmental Impacts Through Historic Preservation Law
Terri Evans, <i>Simon Fraser University</i>	What kind of problem is a homeless encampment? Understanding the definitions, motivations, and practices that inform the regulation of homeless encampments in Maple Ridge, BC (Canada)
Elizabeth Carlino, <i>Texas A&amp;M University</i>	‘Under the rocks and stones, there is water underground’: A critical analysis of resource mining in the Cape Flats, South Africa
Lindsey Rogers	Interpretations of Interposition: Constitutional Sheriff Ideology and Practice
JeongHyeon Park	Urban Enclosure Strategies in South Korea: Unraveling Legal Geography, Developmentalism, and Conflicts in the Pursuit of Economic Independence
Discussant Alida Cantor	
Q&A	

### Non-Presenting Participants

Role	Participant
Introduction	Sarah Klosterkamp <i>University of Frankfurt</i>

Discussant	Alida Cantor <i>Portland State University</i>
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## GIS in geography education

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Rafael de Miguel-González, University of Zaragoza&EUROGEO

**Primary Session Chair(s):** Rafael de Miguel-González *University of Zaragoza&EUROGEO*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Rafael Miguel González	Climate education, teaching the future with geospatial technologies
Coline Dony	New space for geography in K-12 Computer Science curriculum
Bob Kolvoord, <i>James Madison University</i>	Data in Space and Time: How Students Make Sense of Spatiotemporal data
Mary Curtis, <i>University of Houston - Clear Lake</i>	Trauma Informed Leadership Leading the Way for GeoInquiry in Secondary Education

## Virtual Career Mentoring III

**Type:** Virtual Workshop

**Sponsor Group(s):**

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

### Non-Presenting Participants

Role	Participant
Discussant	Sunita Yadav-Pauletti <i>USDA</i>
Discussant	David Arfa <i>Cook County, Illinois</i>
Discussant	Lisa Douangchai Wills <i>American Cancer Society</i>
Discussant	Amanda Clayton <i>NASA</i>
Discussant	Heidi Crawford <i>U.S. Census Bureau</i>
Discussant	Emily Vratarich <i>U.S. Census Bureau</i>
Discussant	Natasha Rivers <i>BECU</i>
Discussant	Arvind Bhuta <i>U.S. Forest Service</i>
Discussant	Daniel Opstal <i>U.S. Geological Survey</i>

## Vegetal Geographies 4

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Ethics - Justice - and Human Rights Specialty Group, Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Paul Moss, University of Minnesota Department of Geography, Environment, & Society

**Primary Session Chair(s):** Paul Moss *University of Minnesota Department of Geography, Environment & Society*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Samantha Stroud	People, plants, ancestors: The affective landscapes of herbalism in New Mexico
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George Cusworth	On disease configurations, black-grass blowback, and probiotic pest management
Charrlotte Adelina	Planty infrastructures and vegetal place-making in Coimbatore
Paul Moss, <i>University of Minnesota</i>	Rethinking the plant in crop agriculture
Presentations are followed by interactive questions/discussion between attendees and the presenters	

## Geospatial Approaches to Mobility and Health Issues: Under-examined Cities (Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security)

**Type:** Virtual Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Junghwan Kim, Virginia Tech

**Primary Session Chair(s):** Mei-Po Kwan *The Chinese University of Hong Kong*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 11

### Presentations (if applicable) and Session Agenda:

Zhiyuan Yao	Variation in child care access across neighborhood types: A two-step floating catchment area (2SFCA) approach
David Wong, <i>George Mason University</i>	Location matters: local variability in the association between risk factors on mortality burden
Huaiqian Lyu	Unraveling Environmental-Economic Disparities: The Role of Polycentric form of Air Pollution and M&A Networks in China's Urban Sustainable Development
Will Payne, <i>Rutgers University</i>	Community-Led GIS Training in Low-Data Settings

Abdulahi Opejin	Assessing bias in personal exposure estimates when indoor air quality is ignored: A comparison between GPS-enabled mobile air sensor data and stationary sensor network data
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## Hurricane Impacts 1: climatology/meteorology.

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** HARRY WILLIAMS, University of North Texas

**Primary Session Chair(s):** HARRY WILLIAMS *University of North Texas*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jill Trepanier	Stalling North Atlantic Tropical Cyclones
Reilly Corkran	Historical Analysis of Tropical Storms, Hurricanes, and Rainfall in Georgia (1851–2021): Patterns, Intensity, and Impacts
Jordan Fazio	A Geospatial Analysis of the Inland Paths of Gulf of Mexico Hurricanes
Yijie Zhu	Recent Rebounding of the Post-landfall Hurricane Wind Decay Period over the Continental United States
Kam-biu Liu, <i>Louisiana State University</i>	Population dynamics of mangroves in the Mississippi River Delta during the past century

## Convergence and the Future of Research

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Climate Specialty Group, Energy and Environment Specialty Group

**Primary Organizer:** Melinda Morgan, University of New Mexico

**Primary Session Chair(s):** Melinda Morgan *University of New Mexico*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Heejun Chang, <i>Portland State University</i>	Convergence research for sustainable regional systems in North America
Ramona Malczynski	Key factors for successful team science: Analysis of the University of New Mexico's Grand Challenges
Katherine Foo	For Us, By Us: an anticolonial paradigm for environmental science and management
Melinda Morgan	Convergence, Transdisciplinarity and Team Science: an Interepistemic Approach

**Non-Presenting Participants**

Role	Participant
Panelist	Heejun Chang
Panelist	Ramona Malczynski
Panelist	Katherine Foo
Panelist	Melinda Morgan

**Food as Infrastructure: Reimagining the role of community gardens in urban planning**

**Type:** Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Subhashni Raj, University of Hawaii, Manoa

**Primary Session Chair(s):** Subhashni Raj *University of Hawaii, Manoa*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

#### **Non-Presenting Participants**

Role	Participant
Panelist	Subhashni Raj <i>University of Hawaii, Manoa</i>
Panelist	Anna Mines <i>City and County of Honolulu</i>
Panelist	Adam Strubeck <i>UH Manoa</i>
Panelist	Emmanuel Momoh <i>UC Davis</i>

### **Fluvial Forms and Processes I**

**Type:** Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Ranbir Kang, Kennesaw State University

**Primary Session Chair(s):** Ranbir Kang *Kennesaw State University*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

### **Presentations (if applicable) and Session Agenda:**

Robert Pavlowsky	Downstream changes in channel width from pre-settlement to recent times in the Ozarks Highlands
Wanhong Yang	A GIS-Based Fully Distributed Hydrologic Model for Watershed Evaluation of Agricultural Conservation Practices
Tasnuba Jerin	Biogeomorphic effects on channel hydrogeomorphology in altered flow regimes driven by climate change: An Example from James River, Missouri
Mahbub Ul Hasan	Geomorphological Heterogeneity and Connectivity and Flood Resilience in Lowland Riverscapes

Yujing Wang	A flexible approach to constructing spatially hybrid hydrological models based on the spatial heterogeneity of watershed characteristics
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## Contemporary Tourism Geographies 1: Space, Place and Environment

**Type:** Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University

**Primary Session Chair(s):** Joseph Cheer *Western Sydney University, Australia*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Rebekka Goodman	"Social Media, Sustainable Tourism, and Human-Wildlife Interactions - A Case Study of Swimming with Orcas in La Ventana, Baja, Mexico"
Yoonhee Jung	The role of geotourism in (re)shaping urban environment, everyday life, and human-nature relationship: A case study of UNESCO Global Batur Geopark in Bali, Indonesia
Andreea Antonescu, <i>César Ritz Colleges</i>	Global Tourism Networks and Density Dynamics: Mapping the Evolution of a Multiscalar Phenomenon
Andrew Goetz	Air travel and tourism in Malta: Impacts of low-cost airline introduction
TATIANA IRETSKAIA	The long-term impacts of transformative travel experiences: what happens after the travel is over?

## Flood Infrastructure and Disparities in Water Equity

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Economic Geography Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Hao Huang, Illinois Institute of Technology

**Primary Session Chair(s):** Hao Huang *Illinois Institute of Technology*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Buddhi Gyawali, <i>Kentucky State University</i>	Geomorphological Changes and Impacts on Geohazards in Eastern Kentucky.
Kelly Albus	A participatory spatial planning approach to engage diverse perspectives and to inform expansion of Blue-Green Infrastructure in Texas
Elise Legarth	Towards an understanding of uncertainties associated with the probable maximum flood.
Indumati Roychowdhury	Wetland Restoration: flood risk and ecosystem services
Carmen Mallqui Caballero	Mapping floods and droughts in tropical regions: A critical review on cartographic representations in academic publications

**Gendered Infrastructures: Space, Scale and Identity**

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Anu Sabhlok, IISER Mohali

**Primary Session Chair(s):** Yaffa Truelove *University of Colorado*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 13

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Yaffa Truelove <i>CU Boulder</i>

Panelist	Hanna Ruszczyk <i>Durham University</i>
Panelist	Anu Sabhlok <i>IISER Mohali</i>
Panelist	Margarida Vale <i>University of Lisbon</i>
Panelist	Nabeela Ahmed <i>University of Sheffield</i>

## Function over form: Thinking through the role of an introductory geography course I

**Type:** Panel

**Sponsor Group(s):** Community College Affinity Group, Geography Education Specialty Group

**Primary Organizer:** Tamar Rothenberg, Bronx Community College - CUNY

**Primary Session Chair(s):** Tamar Rothenberg *Bronx Community College - City University of New York*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Lisa Tabor <i>University of Northern Iowa</i>
Panelist	Susan Hume <i>Southern Illinois University Edwardsville</i>
Panelist	Christy Jean <i>Pikes Peak State College</i>
Panelist	Tiffany Grobelski <i>Gustavus Adolphus College</i>
Panelist	Audrey Lumley-Sapanski <i>Colorado Mesa University</i>
Panelist	Ken Foote <i>University of Connecticut</i>

## Author Meets Critics 1: Discussing O'Sullivan's Computing Geographically

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Luke Bergmann, University of British Columbia

**Primary Session Chair(s):** Luke Bergmann *University of British Columbia*

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panelists discuss the book

Author responds!

Questions between and betwixt panelists, audience, and author

### Non-Presenting Participants

Role	Participant
Panelist	Rebecca Lave <i>Indiana University</i>
Panelist	Marianna Pavlovskaya <i>Hunter College and CUNY Graduate Center</i>
Panelist	Harvey Miller <i>Ohio State University</i>
Panelist	Rachel Franklin <i>Newcastle University</i>
Panelist	Jerry Shannon <i>University of Georgia</i>

## Reconfiguring Urban Mobilities across the World

**Type:** Paper

**Sponsor Group(s):** Development Geographies Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Allen Xiao,

**Primary Session Chair(s):** Allen Xiao

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 319A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Aila Bandagi Kandlakunta	Gendered urban mobility in Hyderabad, Telangana
Dwayne Baker	The Influence of Bus Rapid Transit Infrastructure Type on Transit Ridership: Evidence from Cities Worldwide
SM Ahsanullah	Exploring the Silent Electrification of Urban Mobility: Cities of Global South
Oforiwaah Pee Agyei-Boakye, <i>University of Minnesota - Minneapolis</i>	Mobility in African Cities: Assessing Rea Vaya BRT System Bus Routes and Travel Patterns In Johannesburg, South Africa
Elmond Bandauko	Pushing back against the 'enemy': Street traders' resistance to repressive urban policies in Harare, Zimbabwe.

**Non-Presenting Participants**

Role	Participant
Discussant	Allen Xiao

**Geospatial Health Research Symposium - Social determinants**

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

ChiaYuan Yu	Unlocking the Power of Social Capital: How It Mediates the Connection Between Different Factors and Individual Stress
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Baoqi Eileen Chen	A Civic Stethoscope for Healthy Cities: Utilizing 311 Data to Monitor Social Determinants in the Neighborhood Built Environment
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## Ecosystem Assesment: Mapping and Modeling

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Megan Seeley

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Louis Chua	Coastal Ecosystem Accounting in the Main Hawaiian Islands (MHI)
Hamish Asmath	Assessment of mangrove aboveground carbon using terrestrial laser scanning (TLS) and airborne Light Detection and Ranging (LiDAR) in Trinidad and Tobago.
Mohammad Safaei	Land Use and Land Cover Classification in Addo Elephant National Park: Analyzing the Impact of Variables, Algorithms, and Object-Based Approach
Leo Zulu	Monitoring and evaluating adaptation through earth observations: indicators and their application to the case of Malawi
Megan Seeley	Using spectral ecology to map and explore forest genetic diversity: case studies from the subtropics and the desert

## Fire Observation and Recovery

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Nowshin Nawar

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Wesley Motlow	A Tri-Space Approach for Exploring Fire Recovery in Mediterranean Ecosystems
Xiaoyang Zhang	Monitoring Biomass Burning Emissions using multiple-satellite Observations
Robert Rohli, <i>Louisiana State University</i>	Atmospheric circulation associated with favorable prescribed coastal marsh burns across the U.S. Gulf of Mexico coast
Nowshin Nawar	Understanding The Influence of Tree Mortality on Fire Intensity and Burn Severity Based on High Spatial Resolution Airborne Imagery

## Urban Mobility: An Analysis of Traffic and Transportation

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Eun Jin Shin

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Jatinder Sandhu, <i>Esri</i>	Incorporating Slope and Elevation into GIS routing networks
Wei Qiang	The Integration of Urban Form and Human Mobility Patterns: Estimating Polycentricity in Chinese Cities Based on Travel Time
Reza Mortaheb	The Dual of the Transportation Problem Revisited: Optimizing Land Use and Growth management Strategies to Enhance Regional Commuting Patterns in the Orlando Metropolitan Area

Eun Jin Shin	Analyzing Patterns and Sources of Spatial Inequities in Traffic Crashes: A Focus on Inter-City Comparisons
Xinyu Cao	Can an identified environmental correlate of car ownership serve as a practical planning tool?

## Urban Politics in the United States

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Joshua Comenetz

**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Matthias Schilli	Integrating Social, Environmental, and Mobility Factors in Studying Violence in the City of Chicago
Jessica Katzenstein	Geographies of Community Policing: Reform Imaginaries and the Apolitics of Compromise in Baltimore
ÁNGEL CEBOLLADA UNIVERSITAT AUTÒNOMA DE BARCELONA	REDEFINING THE ATTRIBUTES OF INNER-CITY PUBLIC SPACE
Kelly Kay, <i>University of California, Los Angeles</i>	Connecting country and city: The multiple geographies of real property ownership in the US
Joshua Comenetz, <i>U.S. Census Bureau</i>	The U.S. Census Bureau's Diverse, Expanding International Subnational Data Resources

## Rural Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Andrew Husa,  
**Primary Session Chair(s):** Andrew Husa  
**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 4

**Presentations (if applicable) and Session Agenda:**

**Virtual Learning**

**Type:** Virtual Paper  
**Sponsor Group(s):** No Sponsor Group Associated with this Session  
**Primary Organizer:** Program Committee,  
**Primary Session Chair(s):** Claire Fitch  
**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

Patrick Hagge, <i>Arkansas Tech University</i>	Teaching Introduction to GIS in the Hybrid “HyFlex” System
Soren Larsen, <i>University of Missouri</i>	Paths Through Presence: Engaging Immersive Learning through the Imageability and Navigability of Virtual Space
Claire Fitch	What Can(t) the VR-Using Body Do? The Politics of Embodiment in Virtual Reality

**GISphere: Facilitating Global Connections in Geographic Information Science (GIScience) Education, Research, and Practice**

**Type:** Panel  
**Sponsor Group(s):** No Sponsor Group Associated with this Session  
**Primary Organizer:** Armita Kar, Nationwide Children's Hospital  
**Primary Session Chair(s):** Bing Zhou *Texas A&M University*  
**Date:** 4/19/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## VWS4\_1 An introduction to Deep Learning NLP modeling

**Type:** Virtual Workshop

**Sponsor Group(s):**

**Primary Organizer:** Benoit Parmentier,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 8:30 AM - 2:30 PM **Room:** Virtual 14

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Instructor	Benoit Parmentier
Instructor	Marco Millones

## Experiential Learning in Geography I

**Type:** Paper

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Jonathan Wessell, Grand Valley State University

**Primary Session Chair(s):** Jonathan Wessell *Grand Valley State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 314 (Lānaʻi), Third Floor, Hawaiʻi Convention Center

### Presentations (if applicable) and Session Agenda:

Nina Hewitt, <i>University of British Columbia</i>	Building a sense of place into a geoscience field course with Indigenous and other community partners as co-educators
Gunwha Oh	Visualizing Seattle: Weaving students' experiential knowledge from a field sketch into contextual digital spatial storytelling
Heidi Lannon, <i>Santa Fe College</i>	Collaborative Discourse in Geography – Lessons from the Dreaded Group Project

Amanda Clayton, <i>NASA DEVELOP</i>	Cultivating Tomorrow's Earth Observation Users: NASA DEVELOP's Experiential Learning Model for Geospatial Capacity Building
Jonathan Harbor, <i>Purdue University</i>	Grad Student Service Learning in Middle Schools: Longitudinal Impacts of Authentic Experiences on Participants' Professional Skills

## Planetary inhabitations, connections and futures: Agitating, creolising and crystallising more-than-human knowledges, solidarities and collaborative action #2

**Type:** Paper

**Sponsor Group(s):** Caribbean Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group

**Primary Organizer:** Tara Elisabeth Jeyasingh, UNSW Canberra

**Primary Session Chair(s):** Tara Elisabeth Jeyasingh *UNSW Canberra*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Introduction from session organisers	
Sylvia Cifuentes, <i>University of California</i>	Planetary or Territorial? Indigenous Scalar Politics and Climate Change in Amazonia
Karin Louise Hermes	Climate lessons from the El Niño Southern Oscillation as a spatiotemporal dynamic turnover in Andean Pacha (spacetime, relationality) and the Pacific Ocean
Zijing Shen	Framing Urban Living Labs as a multi-dimensional knowledge model: Experiences from Shenzhen Overseas Chinese Town Wetland Park
Rebecca Johns	Representing the Anthropocene: The Story of Us at the Smithsonian's National Museum of Natural History

## Untapped: Fresh Voices in Water Resources Geography – Water Governance

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Andrew Adams, Texas State University / Meadows Center for Water and the Environment

**Primary Session Chair(s):** Andrew Adams *Texas State University / Meadows Center for Water and the Environment*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sayanangshu Modak	Bridging Formal Institutions and Local Voices for Transboundary Water Security and Ecosystem-based Adaptation in the Bengal Mega-delta.
Logan Brauer	Unlocking Potential: an investigation of temporary water right leasing programs in Western Montana
Yuzong Chen	Techno-politics in China's River Chief System: an enforcement surveillance
Heather Paterson-Shallard	The challenges for Indigenous Māori in settler-colonial collaborative governance settings in Aotearoa NZ
Hanson Mike	Investigating Indigenous Involvement in Federal Conservation Policy: The Historical Geography of the Wild and Scenic Rivers Act

## The Past Before Us: Navigating Island-centered Histories and Futures 2

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Sasha Davis, Keene State College

**Primary Session Chair(s):** Kyle Kajihiro *University of Hawai'i - Mānoa*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Kenneth Kuper, <i>University of Guam</i>	Political Mitigation in Non-Sovereign Worlds
Tatsuki Kohatsu	(Un)Settling Islands as a Site of Strategic Control and Sovereignty
Gitte du Plessis	Kalama: Oceanian Countercurrents of U.S. Imperialism
Mark Krzyzanowski	Reviving Kanaka 'Ōiwi Design Principles in Urban Spaces: Decolonizing Building and Zoning Codes
Discussant: Elizabeth Havice	

**Non-Presenting Participants**

Role	Participant
Discussant	Elizabeth Havice <i>University of North Carolina - Chapel Hill</i>

**Opening the geographical black box of the influencer economy 2**

**Type:** Virtual Paper

**Sponsor Group(s):** China Specialty Group

**Primary Organizer:** Han Chu, Kiel University

**Primary Session Chair(s):** Robert Hassink *Kiel University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 8

**Presentations (if applicable) and Session Agenda:**

Wilson Sun	Cracking the influencer economy: participants, business models and spatial patterns
Simin Yan	Opportunities or challenges? Upgrading of periphery space in live streaming commerce in China
Yishake Gulinigaer	Becoming a career girl on platforms in China

Shuyu Zhang	When place achieves the internet influencer status: The Digital placemaking and place branding of social-media-popular places on TikTok, a case study of Jordaan neighbourhood in Amsterdam
Cai Xiaojin	An empirical study on the formation mechanism of “net celebrity space” in Guangzhou, China: A production of spectacle perspective

## Geography, Music, and Songcraft: Humanistic Research and Perspectives

**Type:** Paper

**Sponsor Group(s):** Media and Communication Geography Specialty Group

**Primary Organizer:** Michael Solem, Texas State University

**Primary Session Chair(s):** Michael Solem *Texas State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 315 (Moloka`i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Mylene De Guzman	From K-Pop to P-Pop: Charting the influences of Hallyu on the Filipino Pop Music Scene
Michael Longan, <i>Valparaiso University</i>	The Nature of Country Music
Harry Wilson, <i>ONU</i>	"And Party Every day!": 1970s University Campus Entertainment and the Rock Music Industry, A Case
James Wilson, <i>Northern Illinois University</i>	Exploring a Musical Culture Dependent on a Dying Species of Bamboo in Northeast Thailand
Michael Solem, <i>National Center for Research in Geography Education</i>	Lou Reed's Emotional Geography

## Geography and Data Science for Public Good: Data-Driven Evidence and Solutions to Social and Spatial Inequalities.

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Patrick Ballantyne, University of Liverpool, UK

**Primary Session Chair(s):** Patrick Ballantyne *University of Liverpool, Liverpool, UK*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Qian He	Out of Opportunity? Social and Spatial Disparity of Federal Paycheck Protection Program's Loan Distribution among Small Businesses in the U.S.
Rajib Hossain	Geospatial Insights into Access Disparities: Analyzing Opioid Use Disorder Treatment Facilities in the Southeastern U.S.
Debarchana Ghosh, <i>University of Connecticut</i>	Associations between racialized discriminatory mortgage loan denial and poor mental health in the US: A spatial data-driven approach
Emeline Renz	Diversions from Policing as Usual: a More Caring City with Atlanta's ATL311-PAD Integration?
Hyewon Yoon	Green Inequality for Pedestrian: Green Exposure Analysis using Google Street View and Deep Learning

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Spatiotemporal Big Data Mining and Knowledge Service in Public Health

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Yan Shi, Central South University

**Primary Session Chair(s):** Min Deng *Central South University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Yan Shi, <i>Central South University</i>	Spatial tracing of epidemic outbreaks driven by anomalous patterns in flow space
Da Wang	Modeling and forecasting of epidemic transmission considering spatio-temporal heterogeneity
Chen Ding	Spatio-Temporal PM2.5 Concentration Prediction and Individual Exposure Risk Assessment with Geographic Covariates
Ju Peng	Efficient and Low-Cost Estimation and Mapping of Urban Road Traffic Noise Using Travel Data
Jianwei Huang, <i>Chinese University of Hong Kong</i>	Associations of individuals' daily carbon emissions with their co-exposures to greenspace, air pollution, and noise in space and time: A case study in Hong Kong

**Changing food 2: transforming, resisting, and unpacking corporate food regimes (emphasis on resisting)****Type:** Paper**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Political Geography Specialty Group**Primary Organizer:** Benjamin Schrager, *Utsunomiya University***Primary Session Chair(s):** Benjamin Schrager *Utsunomiya University***Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Jean Ribert Francois	Understanding the Diversification Trajectories of U.S. Agricultural Landscapes through a Qualitative Comparative Analysis
Ziwei Zhang	Searching the Scale of Sustainability: A Case Study of Anxi County's Tea Industry in Southeast China, 2010-2023

Xinhui Chen	Fish Tales: Fish, Foodways, and Local Experiments in China's Economic Reform
Emmanuel Momoh	African Food Basket: A Cultural Perspective to Immigrants' Food Security
Ryan E. Galt discussant comments followed by general discussion	

#### Non-Presenting Participants

Role	Participant
Discussant	Ryan Galt <i>University of California, Davis</i>

### Symposium on Human Dynamics Research: the Next 10 Years

**Type:** Panel

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Xinyue Ye, Texas A&M University

**Primary Session Chair(s):** Shih-Lung Shaw

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 312 (Nìihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

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#### Non-Presenting Participants

Role	Participant
Panelist	Angela Yao
Panelist	Phil Yang
Panelist	Bo Zhao

Panelist	Budhendra Bhaduri
Panelist	Michael Goodchild

## 21st Century Economics to Address Global Warming and Climate Justice

**Type:** Virtual Panel

**Sponsor Group(s):** Climate Specialty Group, Economic Geography Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Carol Atkinson-Palombo, University of Connecticut

**Primary Session Chair(s):** Anji Seth *University of Connecticut*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 9

### Presentations (if applicable) and Session Agenda:

## GIScience approaches for assessing pollution and environmental health

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Xi Gong, University of New Mexico

**Primary Session Chair(s):** Theodros Woldeyohannes *University of New Mexico*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yanhong Huang	Industrial air pollution and low birth weight in New Mexico, USA
Zhuoming Liu, <i>University of New Mexico</i>	Comparison of Machine Learning approach and Fuzzy Logic for Estimating potential Livestock Exposure to Abandoned Uranium Mine sites with GPS in a Community-based research
John Shields, <i>UNC-Greensboro</i>	Ubiquitous Background Radiation in the United States: Comparing NCRP Estimates to Readings Taken at Selected Locations in the Continental United States Using Gamma Spectrometry

Chelsea Cervantes De Blois, <i>University of Minnesota - Twin Cities - Minneapolis, MN</i>	POPs and Human Health: A Creative Geospatial Approach to Understand Data-Sparse Agricultural Communities
C W	An improved fine-grained method for aviation emission calculation using actual trajectory data.

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: A repeatable, reproducible, and expandable (RRE) framework integrating GeoAI and spatiotemporal simulation - Series I

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Siqin (Sisi) Wang, Spatial Sciences Institute, University of Southern California

**Primary Session Chair(s):** Siqin (Sisi) Wang *Spatial Sciences Institute, University of Southern California*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Joseph Holler, <i>Middlebury College</i>	Replicability of social vulnerability indices over time
Wendy Guan, <i>Harvard University</i>	Building a Robust Infrastructure for Geospatial Big Data Analytics
Peter Kedron, <i>Arizona State University</i>	Does protected area connectivity moderate the efficacy of protection on tropical biodiversity? Evidence from a replication of Brodie et al. 2023
Lingbo Liu	Enhancing Geospatial Analysis with AutoML and Explainable AI through Visual Programming Platform
Siqin (Sisi) Wang	Repeatable and reproducible workflow to examine the human-environmental interaction: a spatially explicit GeoAI method

## What are the roles of universities in supporting Indigenous sustainability?

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Margaret Rudolf, International Arctic Research Center - University of Alaska Fairbanks

**Primary Session Chair(s):** Margaret Rudolf *International Arctic Research Center - University of Alaska Fairbanks*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Introductions - describe partnerships with Indigenous communities

What is your role in supporting Indigenous sustainability

What are the opportunities and challenges working within a university system

Audience Q&A

### Non-Presenting Participants

Role	Participant
Panelist	Mike DeLue <i>Alaska Climate Adaptation Science Center/Scenarios Network for Alaska + Arctic Planning, University of Alaska Fairbanks</i>
Panelist	Elizabeth Figus <i>Figus Consulting Services, LLC</i>
Panelist	Megan Pittas <i>Alaska Climate Adaptation Science Center/Alaska Tribal Resilience Learning Network, University of Alaska Fairbanks</i>
Panelist	Adelheid Herrmann <i>Alaska Center for Climate Assessment &amp; Policy, University of Alaska Fairbanks</i>
Panelist	Margaret Rudolf <i>International Arctic Research Center, University of Alaska Fairbanks</i>

Panelist	Nicholas Parlato <i>International Arctic Research Center, University of Alaska Fairbanks</i>
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## Career Mentoring III: Academic Career Paths

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Mark Revell, American Association of Geographers

**Primary Session Chair(s):** Mark Revell *American Association of Geographers*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Paul McDaniel <i>Kennesaw State University</i>
Discussant	Yolonda Youngs <i>California State University, San Bernardino</i>
Discussant	Wei Li <i>Arizona State University</i>
Discussant	Mario Mighty <i>University of North Alabama</i>
Discussant	Abel Polese <i>Dublin City University</i>

## Rural Geography and Development

**Type:** Paper

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Joshua Barrett, University of Guelph

**Primary Session Chair(s):** Joshua Barrett *University of Guelph*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Slawomir Konopa	The impact of entrepreneurial ecosystems on productive entrepreneurship
Connor Goddard	“Is it too late to move – again?” Two-step migration and decision-making in non-traditional rural retirement destinations
Katherine Nelson, <i>Kansas State University</i>	Perceptions of well-being during the COVID-19 pandemic associated with varying rural community features
Bruce SCHOLTEN	'Seaweed & Dairying: Curbing methane (CH <sub>4</sub> ) and fostering rural development'
Nabeela Farah	Examining Agricultural Knowledge Acquisition and Information Access in Rural Punjab: Assessing The Current Landscape and Its Impact On Regional Development

## For a Historical Labor Geography

**Type:** Panel

**Sponsor Group(s):** Historical Geography Specialty Group

**Primary Organizer:** Jack Davies, University of California, Santa Cruz

**Primary Session Chair(s):** Jack Davies *University of California, Santa Cruz*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Jack Davies <i>University of California, Santa Cruz</i>
Panelist	Jane Komori <i>University of British Columbia</i>
Panelist	Key MacFarlane <i>University of California, Santa Cruz</i>

Panelist	Summer Sullivan <i>University of California, Santa Cruz</i>
Panelist	Stefan Yong <i>University of California, Santa Cruz</i>

## Border Internalization 1

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Reece Jones, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Reece Jones *University of Hawai'i at Mānoa*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Laurie Trautman	(Re) Bordering during the COVID-19 Pandemic
Andrew BurrIDGE	Adapting Governance Scales: Australia's Approach to Sub-National Border Closures and Cross-Border Communities Amidst Covid-19
Elena Dell'Agnese	Rebordering Italy: Covid 19 and the 2020 Lock Down

## Vegetation Dynamics I

**Type:** Paper

**Sponsor Group(s):** Biogeography Specialty Group, Mountain Geography Specialty Group

**Primary Organizer:** Jeremy Johnson, Department of Forestry, Michigan State University

**Primary Session Chair(s):** Jeremy Johnson *Department of Forestry, Michigan State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

M. Brooke Rose	Going up or down? Species-specific habitat dynamics under climate change
Paul Laris, <i>CSU Long Beach</i>	California's Disturbing Environmental History

Anthony Trochez	Fire on the Mountain: A Fire Chronology of North Lake Tahoe
Yuanhui Zhu	Examining Spatial Dynamics and Interactions of Planted Alien, Native, and Invasive Alien Species in China's Largest Artificial Mangrove Forest
Parveen Chhetri, <i>California State University</i>	Vegetation Recovery Following a Glacier Lake Outburst Flood in the Nepal Himalayas

## Uncertainties in Big Data Analytics in Disaster Research

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Bandana Kar, AAAS STP Fellow @ U.S. Dept. of Energy

**Primary Session Chair(s):** Bandana Kar *AAAS STP Fellow @ U.S. Dept. of Energy*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Cehong Luo	A Big Data Approach to Modeling Urban Population Density Functions: From Monocentricity to Polycentricity
Zachery Slocum	Optimizing Detour Analysis in North Carolina's Interstate Highways: A Big Data Approach
Jing Li, <i>University of Denver</i>	Modeling driving decisions in a V2X environment: A spatiotemporal hierarchical inverse reinforcement learning approach

## The Long Biographies of Water and Energy Infrastructures 1

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Adrienne Kroepsch, Department of Humanities, Arts, and Social Sciences, Colorado School of Mines

**Primary Session Chair(s):** Sayd Randle *College of Integrative Studies, Singapore Management University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Kendra Kintzi, <i>Cornell University</i>	The Smart Grid Archipelago: Infrastructures of Networked (Dis)Connectivity in Amman
Adrienne Kroepsch, <i>Colorado School of Mines</i>	What is "Dead Pool"? Dam Assemblages and Hydropower Futures in the Western United States
Sharon Moran, <i>SUNY-ESF</i>	WASTEWATER BEYOND THE SEWER: INTERROGATING ONSITE INFRASTRUCTURE
Sayd Randle, <i>Singapore Management University</i>	Wild hogs in the water: Contested infrastructural ecologies of reservoir storage in Texas
Jesse Swann-Quinn	Counter-Ecologies: Storytelling, Place, and Interrogating Environmental Infrastructure in the Classroom

## Hurricane Impacts 2: Risk, Vulnerability, Resilience

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** HARRY WILLIAMS, University of North Texas

**Primary Session Chair(s):** HARRY WILLIAMS *University of North Texas*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Md Shaharier Alam	Retirees on the Move: Examining Mobility Responses and Recovery Dynamics During Hurricane Ian in Southwest Florida
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Scott Graves	Chaffinch Island Park   Origins and dramatic migration/transgression of a natural perched beach responding to storm surge and sea level rise.
John Cartwright	Visualizing Coastal Flooding with Extended Reality (XR) and 3D Geospatial Technologies
Nicholas Culligan, <i>Department of Oceanography and Coastal Science</i>	Spatiotemporal records of microplastic deposition in Puerto Rico wetland sediments

## Symposium on GeoAI and Deep Learning for Geospatial Research: Human-centered Geospatial Data Science II

**Type:** Paper

**Sponsor Group(s):** Environmental Perception and Behavioral Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Filip Biljecki,

**Primary Session Chair(s):** Yuhao Kang *University of South Carolina*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Dongwei Liu	Contrasting inequality in mobility-based exposure to greenspace between older pedestrians and other pedestrians
Marzieh Ghanbari	Exploring Walking Experience in Real and Virtual Environments: A comparative study
Haoxuan Ge	Assessing the Impact of Neighborhood Environment Perceptions on Diabetes Prevalence in Toronto: An Innovative Approach Using Street View Images
Haolin Shao	Americans' Perception of Subjective Well-being: A Time-use Perspective
Yue Dou	FoodGravity: understand food flows using classic Gravity model and explainable Artificial Intelligence techniques

## Geography of Equity, Vulnerability and Capacity in Wildfire Risk Mitigation

**Type:** Paper

**Sponsor Group(s):** Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Cody Evers,

**Primary Session Chair(s):** Cody Evers

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Miranda Mockrin	Seniors in the wildland-urban interface: Wildfire risk and population aging (2010-2020) across the United States.
Mark Adams, <i>USDA Forest Service</i>	Assessing the equitability of wildfire hazard mitigation actions by incorporating wildfire exposure of demographic groups in forest management scenario models
Matthew Hamilton	How wildfire risk mitigation outcomes are shaped by interdependent enabling conditions
Cody Evers, <i>Test</i>	Spatially Targeted Investments in Social Capital to Reduce Risk to Wildfire
Maximilian Stiefel	Classifying Wildfire Protection Strategies in Community Wildfire Protection Plans with Natural Language Processing

## Taking the Leap From Ideas to Action: Developing Justice, Equity, Diversity and Inclusion (JEDI) Leadership Strategies - Panel & Workshop

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** AAG JEDI Committee, Black Geographies Specialty Group, Ethics - Justice - and Human Rights Specialty Group, Ethnic Geography Specialty Group, Middle East Specialty Group

**Primary Organizer:** Jennifer N Swift, University of Southern California, Spatial Sciences Institute, Associate Professor (Teaching)

**Primary Session Chair(s):** Jennifer N Swift *University of Southern California, Spatial Sciences Institute, Associate Professor (Teaching)*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Elaine P. HoNASA, Associate Administrator, Office of Diversity and Equal Opportunity, Chief Diversity Officer
Panelist	Koya BrownEsri, Senior Product Engineer, Engineering Lead on Racial Equity & Social Justice and Global Infrastructure Unified Teams
Panelist	Robin LovellEsri, Software Development, Senior Product Engineering Writer
Introduction	Jennifer N SwiftSpatial Sciences Institute, University of Southern California

**The 2024 Singapore Journal of Tropical Geography Special Lecture by Mary Mostafanezhad- Particulates Politics: Air Pollution, Tourism, and Socio-Environmental Crisis in Northern Thailand**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Elaine Ho, National University of Singapore

**Primary Session Chair(s):** Chih Yuan Woon *National University of Singapore*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 311 (Kaua`i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Mary Mostafanezhad, <i>University of Hawai'i at Mānoa</i>	Particulate Politics: The Making and Unmaking of an Environmental-Health Crisis in Northern Thailand
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**Non-Presenting Participants**

Role	Participant
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Role	Participant
Discussant	Mia Bennett <i>University of Washington</i>
Discussant	Kevin Woods <i>East-West Center</i>

## Fluvial Forms and Processes II

**Type:** Paper

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Ranbir Kang, Kennesaw State University

**Primary Session Chair(s):** Ranbir Kang *Kennesaw State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Francis Magilligan, <i>Dartmouth College</i>	Mechanisms of sediment entrainment and the development of channel bed architecture in gravel-bedded rivers
Carl Renshaw	Impacts of Channel Reach Morphology on Bedload Particle Mobility and Transport Efficiency
Tighearnan Juarez Murphy	Geomorphic Response to Saltcedar Management in the Upper Brazos River
Ranbir Kang	Urban Stream Restoration: A Case Study of Kingle Creek in Washington DC
Adeyemi Olusola	Beyond the Flow: Multifractal Clustering of River Discharge Across Canada

## Contemporary Tourism Geographies 2: Tourist Mobility and Behaviour

**Type:** Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University

**Primary Session Chair(s):** Joseph Cheer *Western*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Colby Parkinson	Validation of Location-Based Service Data for Tracking Tourist Spatiotemporal Behavior in Grand Canyon National Park
Hyorim Yun	Tourists as sensors : How are they responding to global climate change?
Lirong Kou	How do tourists experience sounds at nature-based destinations? Incorporating a relational perspective
Grace Hiu-Ling Yeung	Hotel Staycation: The Governmobility of Local Tourists (Im)mobile Experiences in Hong Kong
Xinyue CHEN	A Cross-Scale Representation of Tourist Activity Space

## HRDSG Hazards and Health I

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Qian Huang *East Tennessee State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Qian Huang, <i>University of South Carolina</i>	Examining Maternal and Child Health in Western North Carolina Through Community-engaged Mapping
Mark welford	COVID in Alaskan Arctic suggests communities' ability to cope with pandemic risks varies geographically due to their vulnerability and resilience.

Brian Pompeii	Social Vulnerability to PFAS Water Contamination on French Island, WI.
Wei Xu, <i>University of Wisconsin Madison</i>	Physical activity, air pollution and incidence of dementia subtypes

## Land use and tourism development

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Yao Luo,

**Primary Session Chair(s):** Zhao He

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 12

### Presentations (if applicable) and Session Agenda:

Yao Luo	Spatio-temporal Distribution and Influencing Factors of Tourist Destinations in the Dabie Mountain Area Under the Background of All-for-one Tourism
Yang yuanyuan	Spatial Differentiation, Type Structure, and Influencing Factors of A-Grade Scenic Spots in China
BOLIN MENG	Study on the coupling and coordination of economy-tourism-environment in Guangdong province
ZHAO HE	Multidimensional Coupling Evaluation of Urban Spatial Vulnerability
Nian Tong	Interaction response between urbanization and carbon emission efficiency in the Yangtze River Economic Belt

### Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Nian Tong
Panelist	Bolin Meng
Panelist	Yuanyuan Yang

## Function over form: Thinking through the role of an introductory geography course II

**Type:** Panel

**Sponsor Group(s):** Community College Affinity Group, Geography Education Specialty Group

**Primary Organizer:** Marissa Isaak Wald, Central New Mexico Community College

**Primary Session Chair(s):** Tamar Rothenberg *Bronx Community College - City University of New York*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Jenna Loyd <i>University of Wisconsin</i>
Panelist	Ola Ahlqvist <i>Ohio State University</i>
Panelist	Cadey Korson <i>Saint Clair County Community College</i>
Panelist	Brittany Wheeler <i>Auburn University</i>
Panelist	Shannon O'Lear <i>Kansas University</i>
Panelist	Marissa Isaak Wald <i>Central New Mexico Community College</i>

## Author meets Critics 2: Discussing O'Sullivan's "Computing Geographically: Bridging GIScience and Geography"

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jim Thatcher, Oregon State University

**Primary Session Chair(s):** Jim Thatcher *Oregon State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panelists discuss the book

The author responds!

Questions betwixt and between panelsits, author, and audience

### Non-Presenting Participants

Role	Participant
Panelist	May Yuan <i>University of Texas at Dallas</i>
Panelist	Eve McGlynn <i>Harvard University</i>
Panelist	Genevieve Reid <i>Florida International University</i>
Panelist	Jennifer Miller <i>University of Texas at Austin</i>

## Interdisciplinary work, teaching, and research in climatology

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Climate Specialty Group, Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Flavia D. S. Moraes, Georgia State University

**Primary Session Chair(s):** Flavia D. S. Moraes *Georgia State University*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

More and more weather and climate science has been at the intersection of interdisciplinary studies that deal with complex environmental and social problems. Therefore, teaching and researching about weather and climate is important in different disciplines outside of climatology and/or atmospheric sciences. Though mostly founded in physical geography, climatologists are demanded in several academic and professional areas. This panel is composed of scholars that attended the same Geography doctoral degree program at the University of Georgia and have now diversified in the type of institutions they work, and/or the departments and fields of research that they engage in. Whether in Design or Geosciences, the panelists will show how weather and climate continues to be at the core of their work. In this session, we will discuss how their current jobs, teaching, and/or research are addressing weather and climate while engaging with other disciplines.

### **Non-Presenting Participants**

Role	Participant
Panelist	Castle Williams <i>NOAA</i>
Panelist	Paul Miller <i>Louisiana State University</i>

## **Geographic Tools for Justice: Using GIS to Promote Environmental Resiliency**

**Type:** Virtual Workshop

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Asenette Douglas, *trubel&co*

**Primary Session Chair(s):** Nick Okafor *trubel&co*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 3

### **Presentations (if applicable) and Session Agenda:**

## **Geospatial Health Research Symposium - Disparities and vulnerable groups**

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Tan Luong	Spatial network epidemiology identifies health disparities in an ethnic minority group and the common geographical anthrax transmission pathways in northern Vietnam.
Wanyun Shao, <i>University of Alabama</i>	Toward a more equitable society: developing a novel health disparity index for the U.S. South
Evans Batung, <i>Western University</i>	Surviving the COVID-19 pandemic in Canada: insights from immigrant essential health care workers in Southwestern Ontario

## Environmental perception and spatial behavior

**Type:** Paper

**Sponsor Group(s):** Cartography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Rui Li, University at Albany, State University of New York

**Primary Session Chair(s):** Rui Li *University at Albany, State University of New York*

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 324, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Denis Can Teoman	Immigrants Travel Behavior in Vienna, Austria: A Mixed-Methods Study
Kwang-il (Jason) Yoo	Segment-Scale Analysis of Location-Based Data for Enhancing Pedestrian and Bicyclist Safety
Yaxuan Zhang, <i>University of Minnesota</i>	The Intersectionality of Gender Differences in Travel Behaviors: a Daily Schedule Perspective
Rui Li	Acquiring Spatial Knowledge through Augmented Reality Landmarks on Windshield: Different Testing Modules

Gisou salkhi khasraghi	Application of Participatory Mapping for Campus Walkability: A Qualitative Assessment of Student Perception of Walking Experience at Texas Tech University Campus
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## Vegetation and Land Surface Phenology

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Yongchang Ye

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Li-Chih Hsu	Analysis of phenological change patterns in Taiwan using Moderate Resolution Imaging Spectroradiometer (MODIS) data
Guy Hydrick	Rates and Drivers of Planted Tree Survival: A Case Study of the Armenia Tree Project
Tong Qiu	Species interaction modulate vegetation phenology changes and forest reproduction across the National Ecological Observatory Network
Yongchang Ye	Challenge in Land Surface Phenology Detection in Drylands

## Geographies of Finance

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Katja Schwaller

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Elena Bell	Gaps in research: private finance for agricultural climate adaptation
Franziska Paul	From Frustrated Farmers, to Fuck Wallstreet, and Fairer Finance: The Public Banking Movement in the US
Jerry Zhi-Jun Yan	Urban land readjustment zone development and informal land financing networks: The case study of Taiwan's urban land readjustment implemented by private sector
Steven Pham	Exit Strategies: How real estate investors create narratives of financial independence, freedom, and agency
Katja Schwaller, <i>Stanford University</i>	Between the Tech Office and the Public Realm: Silicon Valley's New Company Towns

## Landscapes of the Past

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Reese Beeler

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Mitzy Schaney	Investigating The Glades: Pedology, Paleoclimatology, Carbon Storage, and Hydrology
Jia Ran	A 28 time-points cropland area change dataset in Northeast China from 1000 to 2020
Julie Commerford, <i>Saginaw Valley State University</i>	Using self-organized mapping to analyze pollen samples at local and regional scales

Reese Beeler	Resurrecting Lost Landscapes: Automated Sanborn Map Digitization and 3D Reconstruction through Machine Learning and Open-Source Tools
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### Coastal and Marine Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Coastal and Marine Specialty Group

**Primary Organizer:** C Patrick Heidkamp,

**Primary Session Chair(s):** C Patrick Heidkamp

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 5

**Presentations (if applicable) and Session Agenda:**

### Latinx Geographies Specialty Group Business Meeting

**Type:** Virtual Meeting

**Sponsor Group(s):** Latinx Geographies Specialty Group

**Primary Organizer:** Guillermo Douglass-Jaimes,

**Primary Session Chair(s):** Guillermo Douglass-Jaimes

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 6

**Presentations (if applicable) and Session Agenda:**

### WS4\_3: Metrics That Make a Difference: How to Analyze Change and Error

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Robert Pontius,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 9:00 AM - 12:00 PM **Room:** 323B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## WS4\_2: Collecting Field Data with 3 ArcGIS Field Apps

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Instructor	Joseph Kerski
Instructor	Brian Baldwin

## WS4\_1: Native Foodways and Water Governance Collaboration Session

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Samantha Carter,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 9:00 AM - 1:00 PM **Room:** 323C, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Experiential Learning in Geography II

**Type:** Panel

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Jonathan Wessell, Grand Valley State University

**Primary Session Chair(s):** Jonathan Wessell *Grand Valley State University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 314 (Lāna‘i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Jonathan Wessell
Erika Trigos Rubio
Beth King
Lauren Childs-Gleason
Becky Buller
Heidi Lannon

**Non-Presenting Participants**

Role	Participant
Panelist	Erika Trigos Rubio <i>Denver University</i>
Panelist	Beth King <i>Penn State University</i>

**Political Ecology of Irrigation and Climate Change (1): Visions and Decisions**

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Ricardo Barbosa Jr, Clark University

**Primary Session Chair(s):** Gustavo Oliveira *Clark University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Ashley Swensen	Investigating the Effectiveness of Incentivized Efficient Watering Practices in 5 Western States with Focus on Utah
Yiran Wang	Navigating Water Scarcity: Understanding Farmer Perceptions, Adaptation Strategies, and Tradeoffs in Pinal County, Arizona
Gracie Bartel	Identifying producer perspectives on repurposed land strategies in Kern County
Discussant: Gustavo Oliveira	
Q&A block	

#### Non-Presenting Participants

Role	Participant
Discussant	Gustavo Oliveira <i>Clark University</i>

## Hydroclimatology 1

**Type:** Virtual Paper

**Sponsor Group(s):** Climate Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Natalie Teale, Miami University

**Primary Session Chair(s):** Natalie Teale *Miami University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 2

#### Presentations (if applicable) and Session Agenda:

Dimitris Herrera	Observed changes in hydroclimate attributed to human forcing
Ethan Coffel, <i>Syracuse University</i>	Recent shift from energy- to moisture-limitation over global croplands
Zhiying Li	Climate trends force step changes in drought classifications

Zachary Suriano, <i>Western Kentucky University</i>	Surface energy fluxes during rain-on-snow ablation in the Ohio River Basin
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## Climate Change and Tourism: a group discussion on (un)certainty, displacement, and risk

**Type:** Panel

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Patrick Brouder, Thompson Rivers University

**Primary Session Chair(s):** Patrick Brouder *Thompson Rivers University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Land Acknowledgement & Welcome to Session
Jenn Houtby-Ferguson
Jeff Jenkins
Patrick Brouder
Group Discussion

## All Physical Geography Considered

**Type:** Poster

**Sponsor Group(s):** Biogeography Specialty Group, Landscape Specialty Group, Mountain Geography Specialty Group, Polar Geography Specialty Group

**Primary Organizer:** Rabindra Parajuli, Florida Atlantic University, Boca Raton, FL

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Rabindra Parajuli	Is deadwood the culprit? Disentangling the relative influence of topography, weather, and live and dead fuels on megafire behavior in the Western United States
Daehyun Kim, <i>Seoul National University</i>	Simulating biogeomorphological coevolutionary feedback among pocket gophers, grassland vegetation, and the associated bioengineered landforms
Dianna Gielstra, <i>Prescott College</i>	Exploring Emotional Engagement in Physical Geography Education: Unveiling the Transformative Potential of Virtual Learning Experiences for Field-based and Place-based Approaches
Adjete Tekoe	Climatology and Composite of Synoptic Winter Storms across Western New York
Gao Cong	Modeling ignition probability and wildfire emissions in the boreal forest
Francisco Ehrenberg	The drivers of natural forest regeneration and agricultural abandonment in the Mexican tropics
John DeLay	Determining Fog Frequency with Elevation on Mount Ka'ala
Brynn Zimmerman	Climate Impacts on Paper Birch Species Range
Richard Ziegler	The Geography of U.S. Ski Jumping
Colter Lemons	A Dendrochronological Study of the Easton Foreland: Recession, Incipient Soils, and Developing Forests on Mount Baker, WA
Ugochukwu Udonna Okonkwo	Remote Sensing Analysis of Vegetation Cover, Phenological Changes, and Land Surface Temperature in the Mark Twain National Forest
Adeline Akansobe	Mapping and measuring the intensity of mining activities in southwestern Ghana.

Ryan Mudd	Caly's Life in the wao akua; engaging community college students with high-impact practices to enhance environmental education
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## Animals and the Use of Space

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Applied Geography Specialty Group, Protected Areas Specialty Group, Rural Geography Specialty Group

**Primary Organizer:** Chinedu Nsude, University of Oklahoma

**Primary Session Chair(s):** Chinedu Nsude *University of Oklahoma*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sarah Crowley	The Multispecies Map: documenting the inhabitants of a university campus.
Kevin Curtin	The TREPA Project: First steps toward modelling the human wildlife trafficking and use complex system
David Havlick, <i>University of Colorado - Colorado Springs, CO</i>	Wild or Pure: Geographies of Trout Conservation in the Genetic Age

## The Past Before Us: Navigating Island-centered Histories and Futures 3

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Sasha Davis, Keene State College

**Primary Session Chair(s):** Sasha Davis *Keene State College*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Julie Kaomea	Teaching Environmental Justice in US Occupied Hawai'i: Defamiliarizing the Impacts of Militarism and Tourism on Indigenous Landscapes
Caroline Ferguson	Telbilir a Rengelkel Belau (Our Promise To Belau From Her Youth)
Sayaka Sakuma	Recentering war memories in Yambaru forest
Sophia Perez	Challenging the buildup: A comparative analysis of environmental legal protections across militarizing islands
discussion of papers	

## Encountering 'smart' technologies in ordinary city life

**Type:** Paper

**Sponsor Group(s):** China Specialty Group

**Primary Organizer:** Chen Liu, Sun Yat-sen University

**Primary Session Chair(s):** Chen Liu *Sun Yat-sen University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 324, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

Chen Liu	Surviving in the 'smart' city: An alternative digital urbanism?
David Wilson, <i>University Of Illinois</i>	Dracula Urbanization, Smart Growth, New Technologies, and Making a New Miami
Beca Lleucu Phillips	Smartness Beyond the City: Ordinary Places and Everyday Practices of Reimagining
juhyun Lee	How Smart Inclusive Transition happens in practice?
Siobhán Wittig McPhee, <i>University of British Columbia</i>	Sonic Narratives and Urban Economies: A Substantivist Perspective on the Lives of Low-Skilled Workers?

<b>Non-Presenting Participants</b>	
Role	Participant
Panelist	Sofia T. Shwayri <i>Tulane University</i>

## Planetary inhabitations, connections and futures: Agitating, creolising and crystallising more-than-human knowledges, solidarities and collaborative action #3

**Type:** Paper

**Sponsor Group(s):** Caribbean Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group

**Primary Organizer:** Tara Elisabeth Jeyasingh, UNSW Canberra

**Primary Session Chair(s):** Tara Elisabeth Jeyasingh *UNSW Canberra*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Tara Elisabeth Jeyasingh	Édouard Glissant, Felix Guattari & Gilles Deleuze: Non-Representational Biographies, Intersections and Connections
Kylie Yuet Ning Poon	Excessive Hybridities: Visual Methods and the Politics of Failure in Hong Kong's Wet Markets
D. Alex Piña	How to Tame a Wild March: On Affect, Space-Claiming, and Feminist Protest in Mexico
Michele Lobo, <i>Deakin University</i>	Ocean Echoes in the Global South: Seismic blasting, Whale Songlines and Revolutionary Praxis
Discussant and questions	

### Non-Presenting Participants

Role	Participant
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Role	Participant
Discussant	Joe Gerlach <i>University of Bristol</i>
Discussant	Thomas Jellis <i>University of Bristol</i>

## Indigenizing Research Agenda and Geography Research Methodologies

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Community Geographies Collaborative Specialty Group, Indigenous Peoples Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Stanislav Ksenofontov, ARCTICenter, University of Northern Iowa

**Primary Session Chair(s):** Stanislav Ksenofontov *ARCTICenter, University of Northern Iowa*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Stanislav Ksenofontov	Global change impacts on the sustainability of Indigenous communities in Sakha Republic
Dylan Moore	"It is always about land": Co-management as a pathway to homelands access for California Native Tribes
Maria Monakhova	Co-Production of Arctic Sea Ice Knowledge: Bibliographic Review
Amy Sprowles	Indigenizing STEM
Rafael Gonzalez, <i>University of Missouri - Columbia</i>	Bridging Generations: Digital Storytelling in the Rarámuri Community
Q&A	

## Changing food 3: transforming, resisting, and unpacking corporate food regimes (emphasis on unpacking)

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Benjamin Schrager, Utsunomiya University<sup>7</sup>

**Primary Session Chair(s):** Laura Cuch *Goldsmiths, University of London*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Shan-Yu Wang	How Could Palm Oil Be Articulated as Sustainable? Geopolitics, Food security, and Decarbonization in India's Palm Oil Regime
Kathleen Schroeder	Barriers to Local Produce in Rural Appalachian Early Childcare Centers
Benjamin Schrager	The place branding complex: A pervasive but spotty approach to rural revitalization in Japan
YOSHITAKA MIYAKE, <i>Policy Research Institute, Ministry of Agriculture, Forestry and Fisheries</i>	Farmers' knowledge to sell rice in sustainable agriculture: Comparison between organic and biodiversity friendly farmers in Japan
Krisnawati Suryanata discussant comments followed by general discussion	

### Non-Presenting Participants

Role	Participant
Discussant	Krisnawati Suryanata <i>University of Hawai'i at Mānoa</i>

## Rural Geography and Development

**Type:** Paper

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Joshua Barrett, University of Guelph

**Primary Session Chair(s):** Joshua Barrett *University of Guelph*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Christopher Merrett, <i>Western Illinois University</i>	The Impacts of Dollar General Stores on Rural Illinois Communities
Erin Koster	Amplifying Disparities: The Unequal Burden of Transportation Noise in Rural and Minority Communities
Kirsten Gow	Repopulation and return: Examining out-migrant's aspirations for return to a sparsely populated area
Andrew Husa	A Need for Increased Public Transportation Services in the Rural Great Plains
Katelynn Conedera	Remote Worker Attraction: How Local Governments Craft Policies to Harness Trends in Migration and Remote Work

**Untapped: Fresh Voices in Water Resources Geography – Virtual**

**Type:** Virtual Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Andrew Adams, Texas State University, Meadows Center for Water and the Environment

**Primary Session Chair(s):** Andrew Adams *Texas State University, Meadows Center for Water and the Environment*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 13

**Presentations (if applicable) and Session Agenda:**

kathy osei	Assessing the influence of climatic variables on long-term seasonal evaporation trends of reservoirs in Urban Oklahoma: Implications for sustainable resource management
Jenny Rempel, <i>University of California - Berkeley</i>	Differential Vulnerability to Domestic Well Failures in California's Ongoing Megadrought

Jessica Lefford	Assessing the Relationship between Livestock Agriculture Land Use and Water Quality in the South Platte Watershed, Colorado
Jeremiah Osborne-Gowey	The role of social connectedness in adaptive farming practices in Sri Lankan agricultural systems under drought stress
Alain Elegbe	Water Justice in the Republic of Benin in a changing climate

## Geography and Data Science for Public Good II: Data-Driven Evidence and Solutions to Social and Spatial Inequalities.

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Patrick Ballantyne, University of Liverpool, UK

**Primary Session Chair(s):** Patrick Ballantyne *University of Liverpool, UK*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Patrick Ballantyne	Using Urban Indicators To Deliver A Sustainable and Equitable Future For Liverpool City Region
Benjamin Hennig	Playing for the Planet? Innovating Democracy through Citizen Participation in Nature Conservation
Alejandra Betancourt	Urban Forest Cover in Raleigh's Greenways, Evenly distributed?
sophie nowicki	Geography and Data Science for Public Good: a sea level example.
Alex Singleton, <i>University of Liverpool</i>	Advancing Geodemographics: Residential Area Encoding Using Autoencoder-Driven Data Reduction for Cluster Analysis

## Scale, method, form: narrating the Black geographic

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Black Geographies Specialty Group, Cultural Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Emily Holloway, Clark University

**Primary Session Chair(s):** Emily Holloway *Clark University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Travis Bost, <i>University of Toronto</i>	"I'd Fly Back to de Ole Country if I Could": Scale, Memory, and the Many Geographies of Elsie George
Naiima Khahaifa	Carceral Kinship: Black Correctional Officers (COs) and the (Im)possibility of Care in Prison
Laura Rivas, <i>CUNY Graduate Center</i>	Placing freedom: Localized emancipatory spaces in colonial Santo Domingo
Emily Holloway	Jumping Scale in the Black Atlantic

## Collaborative care in environmental governance: Restoring reciprocal relations and community self-determination

**Type:** Panel

**Sponsor Group(s):** Indigenous Peoples Specialty Group

**Primary Organizer:** Sibyl Diver, Stanford University

**Primary Session Chair(s):** Sibyl Diver *Stanford University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Sibyl Diver <i>Stanford University</i>
Panelist	Jessica Weir <i>Western Sydney University, Institute for Culture and Society</i>
Panelist	Mez Mez Baker-Médard <i>Middlebury University</i>
Panelist	Mehana Blaich Vaughan <i>University of Hawai'i at Mānoa</i>

## Territorial Spatial Planning and Land Resource Management

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Zhong Zhang,

**Primary Session Chair(s):** Yun Xiong

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 11

### Presentations (if applicable) and Session Agenda:

Yun Xiong	An Evolutionary Game Analysis and Policy Optimization of Central Land Authority of Territorial Space Use Control Based on Land Development Right Allocation
Jia Cheng	Research on rural multi-functional evaluation and evolution characteristics analysis in concentrated and contiguous areas with special difficulties: Taking Dabie Mountains as an example
Zhong Zhang	Long-term assessment of ecological risk dynamics in Wuhan, China: Multi-perspective spatiotemporal variation analysis
QIWEI WU	Resilience evaluation of rural regional system under the background of rural revitalization - Take Shidian County in Yunnan Province as an example
Guang CHEN	Pre-evaluation research on the implementation of territorial spatial planning based on spatial evolution

### Non-Presenting Participants

Role	Participant
Panelist	Jia Cheng
Panelist	Qiwei Wu
Panelist	Guang Chen

### The Pathway to Professionalism: Becoming a Geospatial Professional (Opportunity II)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tony Spicci, GIS Certification Institute

**Primary Session Chair(s):** Tony Spicci *GIS Certification Institute*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

### Border Internalization 2

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Laurie Trautman, Western Washington University

**Primary Session Chair(s):** Laurie Trautman *Western Washington University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Reece Jones, <i>University of Hawaii at Manoa</i>	"As Disturbing as it is Wrong": The implications of the US Supreme Court's decision in <i>Egbert v. Boule</i> ,
Jenna Loyd, <i>University of Wisconsin-Madison</i>	Refugee Encounters with Police-Produced Internal Borders
Jessie Stein, <i>CUNY - Graduate Center</i>	Bordering through Status: Working the violent pathways of the status regime

Kenneth Madsen, <i>The Ohio State University</i>	Internalizing States of Exception in the Political Culture of U.S. Border Security
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## Vegetation Dynamics II (Virtual)

**Type:** Virtual Paper

**Sponsor Group(s):** Biogeography Specialty Group, Mountain Geography Specialty Group

**Primary Organizer:** Parveen Chhetri, Department of Earth Science & Geography, California State University Dominguez Hills

**Primary Session Chair(s):** Parveen Chhetri *Department of Earth Science & Geography, California State University Dominguez Hills*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Duncan Anderson	Tundra Fire Driven Surface Subsidence Increases Spectral Diversity on the Yukon-Kuskokwim Delta, Alaska
Joseph Oduro Appiah, <i>University of Northern British Columbia - Prince George, BC</i>	Oil and gas seismic cutline density are associated with forest cover losses in northeastern British Columbia, Canada
Dameng Yin, <i>SUNY - Buffalo</i>	Monitoring crop growth stages with drone remote sensing

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: A repeatable, reproducible, and expandable (RRE) framework integrating GeoAI and spatiotemporal simulation - Series II

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Siqin (Sisi) Wang, Spatial Sciences Institute, University of Southern California

**Primary Session Chair(s):** Siqin (Sisi) Wang *Spatial Sciences Institute, University of Southern California*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Xiaokang Fu	Digital humanities infrastructure based on open-source executable workflows—A case study of spatial mobility of pre-modern Chinese literati
Cheng-Zhi Qin	Intelligent determination of spatial extents of input for geographical analysis workflow
Jason Tullis, <i>University of Arkansas</i>	Provenance as a record in the study of Mars' south polar cap
Ru Wang	Parsing human mobility in daily life circle with machine learning and Monte Carlo simulation
Discussion and Q/A	

**Symposium on Human Dynamics Research: the Future of Computational Urban Science****Type:** Panel**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group**Primary Organizer:** Xinyue Ye, Texas A&M University**Primary Session Chair(s):** Xinyue Ye *Texas A&M University***Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

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**Non-Presenting Participants**

Role	Participant
Panelist	Xiao Huang
Panelist	Dan Sui

Panelist	Tao Cheng
Panelist	Bin Jiang
Discussant	Michael Goodchild

## The Long Biographies of Water and Energy Infrastructures 2

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Sayd Randle, College of Integrative Studies, Singapore Management University

**Primary Session Chair(s):** Adrienne Kroepsch *Department of Humanities, Arts, and Social Sciences, Colorado School of Mines*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Gloria Pessina	Incongruent thermoelectric power stations in Italy: decommissioning, governance, and resistance to change
Sophie Webber, <i>University of Sydney</i>	Flood protection as adaptation labour in Jakarta, Indonesia
Sydney Widell	Fixing Streams: Decommissioning Dams in the Driftless (USA)

### Non-Presenting Participants

Role	Participant
Discussant	Joshua Cousins <i>Department of Environmental Studies, SUNY College of Environmental Science &amp; Forestry</i>

## Intersectional approaches to climate and disaster resilience research

**Type:** Virtual Paper

**Sponsor Group(s):** Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Rebecca Nixon, University of Delaware

**Primary Session Chair(s):** Rebecca Nixon *University of Delaware*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

Kelsea Best, <i>The Ohio State University</i>	LGBTQ+ Populations' Risk of Displacement after a Disaster in the United States
Alyssa Wentzel	Intersectional Climate Justice: Assessing the Perceptions and Experiences of LGBTQIA+ People of Color and Their Responses to Climate-Related Disasters
Pinki Mondal	Saltwater intrusion in coastal US landscapes: Challenges and potential solutions

### Hurricane Impacts 3: Geomorphology, Paleotempestology.

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** HARRY WILLIAMS, University of North Texas

**Primary Session Chair(s):** HARRY WILLIAMS *University of North Texas*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Harry Williams	Testing Digital Elevation Model of Difference (DoD) Estimation of Washover Fan Thickness, Matagorda Peninsula, Texas
Daria Nikitina	Predictions of storm surges and their impact on coastal environments in the Delaware Bay
Philip van Beynen	Investigation of sedimentary records of Hurricane Irma in sinkholes, Big Pine Key, Florida
Thomas Bianchette	Applying machine learning methodologies to improve the utility of Holocene paleoenvironmental reconstructions: An emphasis on hurricane-induced sediment deposition

## General Geomorphology Poster Session

**Type:** Poster

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Ranbir Kang, Kennesaw State University

**Primary Session Chair(s):** Ranbir Kang *Kennesaw State University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Scott Lecce	Climate-Driven Flood Effects on Channel Stability, Sedimentation, and Freshwater Mussel Habitat in Rivers Draining the Ozark Highlands
ChiCheng Chiu	Assessment of Hydrological Balance in Watersheds: A Case Study of Southern Taiwan
Danielle Bornstein	Assessment of the Stability of Bed-Sediment Types within the Mississippi River near Rock Island, Illinois
Anne Holt	Continental-scale controls on patterns of baseflow signatures
Christy Briles	Earth, Wind, and Fire: Disturbance Events in the Paleoecological Record of Colorado Subalpine Lake Sediments
Hongxing Liu	Evaluation of SWOT Satellite River Observations with Field Measurements of Flow Velocity, Discharge, and Channel Morphology
Jessie McClellan	Fluctuating Flames: Illuminating Fire Patterns through Charcoal Stream Sediment
Melinda Collins	Linking extreme climate events and land use to the estuary health in the Morro Bay, CA watershed
Moupyali Chakravarty	Illuminating the Past: OSL Dating Unveils Kings Creek's Dynamic Evolution and Human Impact

Todd Palmer	Quantifying Riverine Debris: Applying a Trash Balance Model in the San Diego River
Nikiphoros Vlastos	Seasonal Variations and Drought in the Green River Basin, Wyoming
Darryl Carlyle-Moses	The Delivery and Infiltration of Stemflow into the Soil Adjacent Ponderosa Pine ( <i>Pinus ponderosa</i> ): An Example of Tree Canopy – Critical Zone Interaction
Brady Watkins	Quantifying three decades of ice volume loss for Grinnell Glacier, Glacier National Park, USA using historical aerial imagery
Anne Chin, <i>University of Colorado Denver</i>	Downstream changes in channel width under river management
Sandra Lee	Changes in sediment size distribution through a rapidly urbanizing river basin
Gretchen Wilson	Urbanization and development of an “artificial” floodplain

## Symposium on GeoAI and Deep Learning for Geospatial Research: Human-centered Geospatial Data Science III

**Type:** Paper

**Sponsor Group(s):** Environmental Perception and Behavioral Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Yuhao Kang, University of South Carolina

**Primary Session Chair(s):** Yuhao Kang *University of South Carolina*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Ho Yin Chan	Using artificial intelligence (AI) to design better streets for pedestrians? Preference in streetscape transformation from an AI-generated video-based stated preference survey
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Ce Hou	Uncovering the balance between the physical and socio-economic environments of cities
Yifan Yang	GeoLocator: a location-integrated large multimodal model for inferring geo-privacy
Yang Yue	To what extent can human daily trajectories be AI-generated?
Opportunities and Challenges of Human-centered Geospatial Data Science	

## Education Roundtable

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Coline Dony, American Association of Geographers

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Contemporary Tourism Geographies 3: Heritage and Historical Geographies

**Type:** Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University

**Primary Session Chair(s):** Joseph Cheer *Western Sydney University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Joseph Cheer	Convenient Geographies of Heritage: Colonial Edifices, Placemaking and its Discontents
William Price, <i>Ball State University</i>	The "Black Gold" Rush: Exploring California's Oil Heritage

Samuel Otterstrom, <i>Brigham Young University</i>	Historical Markers in the Western United States: Regional and Cultural Contrasts
Jiang Yiting	The evolution of traditional village living environment in the process of urbanization in China—taking Fuling Village as an experiment
Victoria Sharakhmatova	Intangible Cultural Heritage of Indigenous Peoples and Sustainable Tourism: Development Opportunity or Cultural Appropriation?

## Hazards, Risks, and Disasters (Poster)

**Type:** Poster

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Devon Borthwick	Analyst bias in determining optimal threshold values in rapid flood mapping.
Alyssandra Rousseve	Mahi'ai of Leeward Communities
Christopher Ihinegbu	Are Households in Last-Mile Communities Prepared for Future Disasters? A Study of Flooding in Kogi State, Nigeria
Behrang Bidadian	Flood Risk Analysis in West Virginia: Statewide Index Development
FARAH GASMI	Conducting Flood Assessment Using Lidar Data and Cloud Computing Techniques in a Heavily Urbanized Region: A Case Study of NWA, Arkansas

Zeyu He	Probing the ‘Returners and Explorers’ Divide: Human Mobility Patterns in the Face of Natural Hazards
Jamison Lombardi	Sea Level Rise and Hazard Mapping Accuracy
Michelle Saunders, <i>University of Oklahoma</i>	Streamlining a Collaborative Mapping Approach to Identify Weather Hazard Specific Vulnerabilities
Ana Guerrero	Coastal Community Resilience: Post-Disaster Depression and Anxiety in a Texas Ethnic Minority Community
MIKA KUMAGAI	Location of welfare evacuation shelters based on the Local and Community Disaster Management Plan: A case study of Wakayama prefecture, Japan
Megan Porter	Transitioning Social Science Research to Practice within the Weather Enterprise: Methods of Workshop Co-facilitation and Analysis
Huicheul Jung	Assessing the hotspots of heat and drought risk due to global warming in the Republic of Korea using the ensemble regional climate model
SEORIM CHO	Nonlinear analysis of high-resolution urban thermal environment using random forest method: Seoul, Korea
Changkyu Lee	Identifying areas of interest for urban heat island effect in places with high concentration of tourists
Anuska Narayanan	Integrating Humidity into the Heat Severity and Coverage Index (HSCI) for Enhanced Heatwave Severity Assessment
Eun Sub Kim	Nature-based solutions can potentially contribute to biomass density, heat stress mitigation, and biodiversity
Hoi Kay So	A review of research on phenomenological experiences relating to climate and environmental change

Sadia Ritu	Spatiotemporal analysis of land cover dynamics and quantification of urban heat island (UHI)
Tesleem Ajisafe	Regional Warming and Wildfire Dynamics in the Kamchatka Peninsula, Russia
Rachel Michaels	Wildfire risk under future climate scenarios
Galen Newman	A Spatial Toolkit for Projecting the Impact of Green Infrastructure Provisions on Flooding and Pollutant Load in Galena Park, TX
Evan Cass	Flood insurance purchasing behavior in two Gulf Coast cities
Andrea Cass	Understanding Flood Vulnerability in West Virginia: Insights from County and State Surveys
Sean Kraemer	Using Landsat to Reconstruct Past Glacial Lake Outburst Floods at Mammoth Glacier, Wyoming
Matej Vojtek	Vulnerability of Slovak municipalities to fluvial flooding
Hannah Frizzell	Are Superfund Sites Increasing Baseball Player's Risk of Cancer in Southwestern, Pennsylvania?
Jason Young	Risk Perception and Evacuation Decision Making Where a Hurricane Is Projected to Make Landfall vs. In Surrounding Areas
Dingyi Liu, <i>University of Hawaii</i>	Understanding Contaminant Risk through Stories of 'Āina (Relationship between People and Places) in Pu'uloa
Andres Reyna	Building Resilience to Climate Change Impacts through Community Engagement in Water Management: A Comparative Study of California and Baja California
Destiny Apilado, <i>University of Hawaii</i>	Kipuka: Communities of Resilience
Jinpeng Wang	Multi-Scale Analysis of the Mobility Network of Southwest Florida Communities Amid Hurricane Ian

Nicholas Scelsi	Transportation of Lead Through Soil Horizons at Previous Gun Range in Prince Gallitzin State Park
Alex Narrajos	Urban Heat in Mō'ili'ili
Breanne Fong	Navigating the Climate Crisis: Exploring Our Ecological Emotions

## Listening session 2: AAG Mentoring Task Force

**Type:** Virtual Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jack Swab, University of Kentucky

**Primary Session Chair(s):** Jack Swab *University of Kentucky*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 1

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Marissa Wald <i>Central New Mexico Community College</i>
Panelist	Caroline Faria <i>University of Texas-Austin</i>
Panelist	Aretina Hamilton <i>City of Raleigh</i>

## Digital status: infrastructures, mobilities, subjectivities

**Type:** Panel

**Sponsor Group(s):** Digital Geographies Specialty Group, Ethics - Justice - and Human Rights Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Sam Kinsley, University of Exeter

**Primary Session Chair(s):** Sam Kinsley *University of Exeter*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 319B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Round table panel discussion
Wider discussion

**Non-Presenting Participants**

Role	Participant
Panelist	Lisa Marie Borelli <i>HES-SO Valais-Wallis</i>
Panelist	Dylan Brady <i>National University of Singapore</i>
Panelist	Kate Byron <i>University of Exeter</i>
Panelist	Kuba Jablonowski <i>University of Bristol</i>
Panelist	Anke Strüver <i>University of Graz</i>
Panelist	Jim Thatcher <i>Oregon State University</i>
Introduction	Sam Kinsley <i>University of Exeter</i>

**Thriving in an Academic Career 2: Essentials of course planning for effective learning and teaching**

**Type:** Panel

**Sponsor Group(s):** Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA), Stand-Alone Geographers Affinity Group

**Primary Organizer:** Kenneth Foote, University of Connecticut

**Primary Session Chair(s):** Kenneth Foote *University of Connecticut*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Essentials of course planning

**Non-Presenting Participants**

Role	Participant
Discussant	Eric Fournier <i>Washington University in St. Louis</i>

**Engaging Communities to Address Environment and Climate Injustice**

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Alana Rader, California State University Northridge

**Primary Session Chair(s):** Alana Rader *California State University Northridge*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

An-Min Wu, <i>University of Southern California</i>	Building heat-resilient urban communities using mapping and geospatial technologies
Aneika Perez	Rethinking the Benefits and Potential Risks of Urban Agriculture in the City of San Diego, CA: From Environmental Justice to Lead Contamination in Gardens
Peter Nguyen, <i>UC Davis Geography Graduate Group</i>	Re-grounding Resilience through Refugee Resilience: Navigating Climate Justice within the Vietnamese Community in New Orleans
Augustine Avwunudiogba	Environmental Degradation and Community Poverty: Lessons from the Niger Delta, Nigeria
Victoria Joya Euceda	Growing Together: Community Gardens and Social Equity in San Diego's Urban Agriculture Landscape

## Who Counts? A Qualitative Investigation of Gender and Racial Inequity in Representation, Professional Visibility, and Status in Geography

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kathleen O'Reilly, Texas A&M University

**Primary Session Chair(s):** Kathleen O'Reilly *Texas A&M University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Ibipo Johnston-Anumonwo <i>State University of New York at Cortland</i>
Panelist	Farhana Sultana <i>Syracuse University</i>
Panelist	RJ Millhouse <i>Arizona State University</i>
Panelist	Edna Wangui <i>Ohio University</i>

## Diverse Perspectives in Geography: Examining Space Through the Lenses of Disability

**Type:** Paper

**Sponsor Group(s):** Disability Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Martin Swobodzinski, Portland State University

**Primary Session Chair(s):** Martin Swobodzinski *Portland State University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Sylvia Brady	Rideshare Use and Discrimination Among the Blind and Low Vision Community
Derrick Behm Josa	DeafSpace in Washington, DC
Rebecca Hobart	Disability and Access to Wilderness Spaces
Akwasi Kumi-Kyereme	Experience of sexual coercion among in-school young people with disabilities in Ghana
Martin Swobodzinski, <i>Portland State University</i>	Enhancing wayfinding for individuals with low vision and blindness: A comparative study of tactile maps and wayfinding apps

## HRDSG Hazards and Health II

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jingjing Li, <i>Drexel University</i>	Changes of Grocery Shopping Frequencies and Associations with Food Deserts during the COVID-19 Pandemic in the United States
Yingru Li, <i>University of Central Florida</i>	The association of food assistance programs participation and food insecurity during unexpected crises
Joshua Cousins, <i>SUNY-ESF</i>	Experimenting with transformation: Defining health and well-being to support community change.
Daniel Burow, <i>University of Tennessee</i>	Major airports as nitrogen dioxide hotspots before and during the COVID-19 pandemic

## Geospatial Health Research Symposium

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Andrew Kampfschulte	The Geography of Healthcare: Transportation Burden and Access to Care
Wei Chien, <i>National Taiwan University</i>	Estimating Localized Spatial Autocorrelation for Characterizing Spatial Structures of Infectious Disease Transmission: Diffusion Patterns of Dengue Epidemics of Tainan City in 2015
Zeliu Zheng	Spatial Behavior of Hospital Visits By Hand, Foot, And Mouth Disease Patients In Nanchang, China
Matthew Adams, <i>University of Toronto</i>	Spatiotemporal Disease Clustering: A Scoping Review of Spatiotemporal Statistical Methods Utilized to Measure Spatial Infection Diffusion
Mengxi Zhang	Assessing Transit-Based Accessibility to Dental Care Services in Virginia
Yi-Chen Wang, <i>National University of Singapore</i>	Linking Parasite, People and Places: The Food Networks of Liver Fluke Infection

## AAG JEDI Advocacy Session

**Type:** Virtual Panel

**Sponsor Group(s):** AAG JEDI Committee

**Primary Organizer:** Meghan Cope, University of Vermont

**Primary Session Chair(s):** Meghan Cope *University of Vermont*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Thomas Bales

**CAPE Distinguished Career Award II: From Political Forests to Remittance Forests to Golden Undergrounds: Putting Migration Back In**

**Type:** Plenary

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Jenny Goldstein, Cornell University

**Primary Session Chair(s):** Susanna Hecht *UCLA*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Nancy Peluso <i>UC Berkeley</i>

**Geographies of Empowerment**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Remi Alapo

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Priscilla Corbett	Leveraging women's self-help groups for socio-economic development: public decision making, social identity, and collective solidarity
Samina Islam	Spousal Migration and Well-being of Married Women in Southwestern Bangladesh
Jennifer Cheek	Wild foods contribute to higher dietary diversity in India
Remi Alapo	Women and Leadership in Faith-Based Organizations in the US

## Shifting Landscapes of Gentrification

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Gyu Seomun

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Delia Ah Goo	De-gentrification in Johannesburg's inner city? The case of the Maboneng Precinct
Dani Savinon	From Green Lawns to Green Gentrification, A Look at Shifting Landscapes
Gyu Seomun	Exploring Factors Influencing Green Gentrification in Urban Environments: Linear green infrastructure and lot-based changes

## Quantifying Environmental Impacts

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Zachary Carter

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Yunuen Reygadas Langarica	The Effects of Deforestation and Forest Degradation on Climate Variables Have Not Scaled Up to the Watershed Level in the Southwestern Amazon, yet
Ping Wang	Effects of long-term vegetation restoration on soil physicochemical properties mainly achieved by the coupling contributions of biological synusiae to the Loess Plateau
Nathan Young	Quantifying Benefits of Well Site Selection to Avoid Disturbance of Shinnery Oak Dunes and Limit Landscape Fragmentation Across the Geographic Range of the Dunes Sagebrush Lizard
Taskin Kavzoglu	XAI-Driven Burned Area Analysis for Çanakkale-Kızılkeçili Wildfire Using a Pixel-Based Deep Learning Model
Zachary Carter	Social Factors Affecting the Adoption of Mixed Species Grazing to Combat Woody Plant Encroachment in the Southern Great Plains

## GIS & Remote Sensing

**Type:** Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Kalākaua Ballroom, Fourth Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Yuen Yolanda Tsang	The safety of public space: assessing the spatial relationship between green space, street lighting, and crime using remote sensing and GIS
Masayo Tsuchida	Development of Card Game-Style GIS Educational Material for High School Geography - Application in PBL to Train Geographical Perspectives and Thinking -
Harrison Currin	Remote Sensing of Georgia Tidal Marsh Habitats using High-Resolution Aerial Photography
Eshita Eva	Comparison of Machine Learning Approaches for Daily Satellite-Based Soil Moisture Downscaling over CONUS
MD MUYEED HASAN	Spatiotemporal Rainfall Modeling in Bangladesh: A Comparison of Different Kriging Techniques as Spatial Interpolation Methods
WENJIE SUN, <i>Carthage College</i>	Global long-term population-weighted temperature, precipitation, and their variabilities by country 1900-2017 through GIS and Python
Qiannan Ding	Increasing Offshore Wind Turbines in China: Observations from Remote Sensing
Emma Dyson	Flight Path to Conservation: Spatial Optimization of Aerial Bti Larvicide Application Sites for Mosquito Control in the Alaka'i Wilderness
Jinhan Park	Development of Climate Adaptation Index for Adaptation Plan Evaluation and supporting integrated impact assessment model
Kirsten Sanders	Investigating the Potential Toxic Dust Pool Generated by the Shrinking of the Great Salt Lake
Maille Gray	Visualizing the Impact of Vapor Pressure Deficit on Intra-Annual Climate Variability
Ka Yiu Ng	Modeling the monetary cost of traveling for veterinary care in Hong Kong

Bo Xu	Measuring spatial accessibility to adult day services for older adults using GIS
Jinsheng Wang	Ground Penetrating Radar Image Characteristic Analysis and Evaluation of Typical Underground Target Based on Forward Modeling
Shengao Yi	Urban green and impervious surfaces impacts on heat exposure environment: A case study in the City of Los Angeles
Bishal Roy	Seeing the Unseen: Hyperspectral Sensing of Below-Ground Carbon Stock in Soil Profiles
Shaoting Wen	Rethinking the Polycentricity in the US after COVID-19: A New Urban Center/Subcenters Identification Approach
Subin Kim	Recommending Pedestrian-Friendly Tourist Routes Considering Vegetation and Tourist Attractions
Abdullah Al Saim	Enhancing Tree Species Mapping in Arkansas' Forests through Machine Learning and Satellite Data Fusion: A Google Earth Engine-Based Approach
Danielle Barlow	The Future of Cross-Country Train Travel: A study of Possible High-Speed Rail Routes from Sea to Shining Sea
Xiaomin Qiu	The Changing Landscape of US Politics: Democrat vs. Republican Shifts in Congressional Districts, 2016-2022
Weibo Liu, <i>Florida Atlantic University</i>	The spatiotemporal assessments for tidal flat erosion associated with urban expansion in the conterminous coastal United States from 1985 to 2015
Nyssa Hunt	DEVELOPING A PREDICTIVE HABITAT SUITABILITY MODEL FOR BARKING TREEFROG (HYLA GRATIOSA) IN THE GREATER CHATTANOOGA, TENNESSEE REGION
Sarah Termini	"Landscape of Memories": Preserving Oral History Using Volunteered Geographic Information (VGI) in a WebGIS Application

Samuel Abakah	Assessing the Environmental Impact of Illegal Small-Scale Gold Mining in Ghana.
Soojeong Choi	Empirical Analysis of the Relationships between Land Use and Activity-Travel Behavior: Sequential Analysis Approaches

## Area Development and Policy 2024 Annual Lecture: Urbanization in the ‘big ring’: theses on cities, fossil energy, and the metabolic churn of capital

**Type:** Panel

**Sponsor Group(s):** AAG Climate Action Task Force, China Specialty Group, Climate Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Shenjing He, The University of Hong Kong

**Primary Session Chair(s):** Shenjing He *The University of Hong Kong*

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 311 (Kaua`i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Introduction	Shenjing He <i>The University of Hong Kong</i>
Panelist	Neil Brenner <i>The University of Chicago</i>
Discussant	Hillary Angelo <i>UC Santa Cruz</i>
Discussant	Kian Goh <i>UCLA</i>

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - International Geospatial Health Research Network (IGHRN)

**Type:** Panel

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group  
**Primary Organizer:** Mei-Po Kwan, The Chinese University of Hong Kong  
**Primary Session Chair(s):** Mei-Po Kwan *The Chinese University of Hong Kong*  
**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Panelist	Mei-Po Kwan <i>The Chinese University of Hong Kong</i>
Panelist	Douglas Richardson <i>Harvard University</i>
Panelist	Shelly Lap Ah Tse <i>The Chinese University of Hong Kong</i>
Panelist	Junghwan Kim <i>Virginia Tech</i>
Panelist	Zihan Kan <i>The Chinese University of Hong Kong</i>
Panelist	Dong Liu <i>The Chinese University of Hong Kong</i>
Panelist	Yogya KAlra

**WS4\_4: Enhancing Qualitative Social Science Research with GIS**

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Angela Lee,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Non-Presenting Participants**

Role	Participant
Instructor	Joseph Kerski

## Authors Meet Critics: Gendered Infrastructures: Dialectics in Space, Scale, and Identity

**Type:** Virtual Panel

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Feminist Geographies Specialty Group, Urban Geography Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Jennifer Fluri, University of Colorado, Boulder

**Primary Session Chair(s):** Jennifer Fluri *University of Colorado, Boulder*

**Date:** 4/19/2024 **Time:** 12:10 PM - 1:10 PM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Yaffa Truelove <i>University of Colorado, Boulder</i>
Panelist	Anu Sabhlok <i>IISER Mohali</i>
Panelist	Taneesha Mohan <i>University of Colorado, Boulder</i>

## Transportation Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Scott Kelley,

**Primary Session Chair(s):** Scott Kelley

**Date:** 4/19/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Geography Education Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Jonathan Wessell,

**Primary Session Chair(s):** Jonathan Wessell

**Date:** 4/19/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## Geomorphology Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Ranbir King,

**Primary Session Chair(s):** Ranbir King

**Date:** 4/19/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 305A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

## Spatial Analysis and Modeling Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Daoqin Tong,

**Primary Session Chair(s):** Daoqin Tong

**Date:** 4/19/2024 **Time:** 12:10 PM - 1:10 PM **Room:** 301B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

## F4\_2: Pearl Harbor National Memorial and USS Arizona Boat Tour

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Seth Kannarr,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 1:00 PM - 4:00 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

## Author-Meets-Critics: Theory and Explanation in Geography (Wiley, 2024) by Henry Yeung

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Chih Yuan Woon, National University of Singapore

**Primary Session Chair(s):** Chih Yuan Woon *National University of Singapore*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 320 (Emalani), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

### Non-Presenting Participants

Role	Participant
Panelist	Trevor Barnes <i>The University of British Columbia</i>
Panelist	Mona Domosh <i>Dartmouth College</i>
Panelist	Alexander Murphy <i>University of Oregon</i>
Panelist	Henry Wai-Chung Yeung <i>National University of Singapore</i>

## Ruptures, Institutional Change and Regional Economic Development 1

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group, European Specialty Group, Political Geography Specialty Group, Regional Development and Planning Specialty Group

**Primary Organizer:** Harald Bathelt, University of Toronto

**Primary Session Chair(s):** Patrick Adler

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Albina Gibadullina, <i>University of British Columbia</i>	Profiteering from the 2008 financial crisis: Mapping ultimate beneficiaries of the Troubled Asset Relief Program
Jungsuk Woo	The emergence of a post-developmental state in variegated capitalism?
Qingren Chen	Reshaping Intra-regional Relationships and Industrial Upgrading Study - A Case Study of Logistics in a Steel Plant in China's Inland Area
Christian Sellar	The challenge of balancing corporate and institutional change in Italy's regional economies
Wang Hao, University of Toronto	

**Environmental and land resource challenges in the context of climate change**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Zhen Wu, Nanjing University

**Primary Session Chair(s):** Zhen Wu *Nanjing University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Zhen Wu	Dynamic Evolution of Carbon Storage in China's Terrestrial Ecosystems from 1990 to 2022
Anushree Badola	Integrating UAVSAR and LiDAR Data for Above-Ground Biomass Estimation in White Spruce Forests, Boreal Alaska

Haibin Xia	Demographic Line (Hu's Line) based on geographical synthesis: Simulation and prediction under SSPs-RCPs scenario matrix
Elise Zufall	Soil Awareness and Nitrogen Management among Sacramento Valley Growers
Long Li	Construction of ecological security pattern adapting to future land use change in Pearl River Delta, China
Penghui Li	Embodied carbon flow in resource-based urban agglomeration based on the multi-regional input-output model

## Imagining the Multispecies City: Co-habitation and Urban Futures 1

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Landscape Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Anna Bierbrauer, University of Wisconsin-Madison

**Primary Session Chair(s):** Anna Bierbrauer *University of Wisconsin-Madison*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Zuhri James	Curating the natural city: landscape urbanism and environmental power within the regeneration of Thamesmead, London.
Tiantong Gu	Seeing Singapore Urbanization from the Process of Planting
Jing Lu	What prohibits and promotes biodiversity-inclusive planning? Planners' view on using species-distribution predictions as non-human stakeholders' voices
Danielle Shanahan	Revitalisation of bird communities in urban landscapes: innovation in community engagement

Nadja Imhof, <i>No Affiliation</i>	'Becoming with' rats in multispecies cities
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## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Using Individual-level Georeferenced Data for Understanding Human Behaviors and Human- Environment and Potential Issues

**Type:** Paper

**Sponsor Group(s):** Applied Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group

**Primary Organizer:** Jianwei Huang, The Chinese University of Hong Kong

**Primary Session Chair(s):** Jianwei Huang *The Chinese University of Hong Kong*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jianying Wang	Cross-Validation between GPS-trajectories and Activity-Travel Diaries for Health Geography Studies: A Study in Hong Kong
Daniel Turner	A spatial optimization method for identification and characterization of behavior in human movement
Zhenchuan Yang	Examining the relationship between housing disparity and individuals' health in Hong Kong: associations with sociodemographic characteristics, psychological factors, lifestyle, and environmental exposures
Yoo Min Park, <i>Department of Geography at University of Connecticut</i>	Moving environmental health disparities indoors: Participatory approaches using GPS-enabled air pollution sensors to promote underrepresented communities' awareness and behavioral changes
Jinmeng Rao, <i>University of Wisconsin - Madison</i>	CATS: Conditional Adversarial Trajectory Synthesis for Privacy-Preserving Trajectory Data Publication Using Deep Learning Approaches

## global vegetation sustainability and climate change mitigation

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Xiaonan Tai, New Jersey Institute of Technology

**Primary Session Chair(s):** Xiaonan Tai *New Jersey Institute of Technology*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kexin Song	Unveiling Forest Resilience Changes in Response to Insect Disturbance: A Comprehensive Analysis Using PlanetScope Time Series
Di Yang	Quantifying Legacy Effects of Land Use on Forest Structure Across Scales
Mehmet Ozdes, <i>Tekirdağ Namık Kemal University and Colorado State University</i>	Wildfire Risk Assessment in Yellowstone National Park
Xiaonan Tai	mitigating drought impacts on forest through density management

## 2024 Urban Geography Plenary Lecture

**Type:** Plenary

**Sponsor Group(s):** Urban Geography Specialty Group

**Primary Organizer:** David Wilson, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Richard Nisa *Carnegie Mellon University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Plenary Lecture
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### Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Dallas Rogers <i>University of Sydney "Hostile Nature and the City: Dangerous Native Animals, Indigenous Land, and Colonial Property"</i>
Discussant	Anne Bonds <i>University of Wisconsin - Milwaukee</i>
Discussant	Marina Karides <i>University of Hawaii</i>

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Advances in approaches and methods of flood resilience studies 1

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Wenhan Feng, Department of Geography, LMU Munich, Germany

**Primary Session Chair(s):** Wenhan Feng *Department of Geography, LMU Munich, Germany*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Wenhan Feng	Dynamic Modeling Assessment of Infrastructure's Role in Achieving Water Protection and Flood Resilience
Natalie Memarsadeghi	An analysis of flood inundation and the resulting socio-economic impacts induced by climate change
Taylor Glen Johnson	Assessing the Role of Resource Availability in Estimating Time to Recovery of Flooded Buildings in Accra, Ghana
Alex Cliff, <i>Arizona State University</i>	A new approach to assess regional economic exposure to flooding
Xin Zhao	Dynamic Evaluation Framework: PSR Flood Resilience Assessment Based on Particle Simulation - A Case Study in Qinba Mountain Area

## Economic Geographies of Livestock

**Type:** Paper

**Sponsor Group(s):** Rural Geography Specialty Group

**Primary Organizer:** Dawn Drake, University of Oklahoma

**Primary Session Chair(s):** Dawn Drake *University of Oklahoma*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Bonnie Bounds, <i>Texas A&amp;M University</i>	"Where's the Beef?": Beef Production Clusters and County-Level Economic Vulnerability
Shaunna Barnhart, <i>Bucknell University</i>	From Manure Management to Renewable Energy Generation: Livestock Geographies and Changing Renewable Energy Landscapes in the US
John Cross, <i>University of Wisconsin-Oshkosh</i>	Change in Dairying in Wisconsin Since the 2017 Census
Dawn Drake, <i>University of Oklahoma</i>	Plague and Pestilence: The Recent History of the US Hog Industry
Mike Allen discusses honeybees as livestock	

### Non-Presenting Participants

Role	Participant
Discussant	Michael Allen <i>Towson University</i>

## Integrative Approaches to Understanding Human Mobility and Health Outcomes

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Temitope Akinboyewa, Pennsylvania State University, University Park, PA, USA

**Primary Session Chair(s):** Temitope Akinboyewa *Pennsylvania State University, University Park, PA, USA*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

Temitope Akinboyewa	Using smartphone-based place visitation big data to improve health measure estimation
Ping Yin	Exploring the relationships between mobility and mental health during and after pregnancy among Twitter mothers
HYANGGI PARK	Imaginary mobilities, inner geographies, and forming a sense of healing.
Sean Reid	Neighborhood context and HIV risk hotspots in Los Angeles County

**Environmental Data Deserts 1: Understanding the Causes and Consequences of the Unequal Coverage of Environmental Monitoring Networks****Type:** Paper**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group**Primary Organizer:** Alamin Molla, Arizona State University**Primary Session Chair(s):** Aaron Flores *Arizona State University***Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 314 (Lānaʻi), Third Floor, Hawaiʻi Convention Center**Presentations (if applicable) and Session Agenda:**

Alamin Molla, <i>Arizona State University</i>	Assessing Disparities in Access to Air Quality Information in Maricopa County, Arizona
Zachary Van Tol	Reducing Heat and Air Pollution Risk for People Experiencing Homelessness: Leveraging Existing Data Sets to Optimize Resource Allocation in Phoenix, Arizona
Ariane Middel	MaRTiny: A low-cost IoT device for heat studies
Catherine Garoupa	Environmental Justice Advisory Committees at California Air Agencies: What Are They Good For?

Prince Michael Amegbor	Contributing Effects of Climate Change, Ambient Air Pollution and Environmental Assets on Childhood Health Outcomes: A Focus on Sub-Saharan Africa
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## Animals and the Use of Space (Virtual)

**Type:** Virtual Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Applied Geography Specialty Group, Protected Areas Specialty Group, Rural Geography Specialty Group

**Primary Organizer:** Chinedu Nsude, University of Oklahoma

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 5

### Presentations (if applicable) and Session Agenda:

Jacqueline Ganter	Estimating changing marshland habitat and conservation potential for diamondback terrapins in New Jersey under climate change and development pressures
Akpoezi Ononeme	Mitigating Human-Wildlife Conflicts: A Case Study of Copperhead Snakes in Tennessee
Jecca Bowen	Cattle and Dairy Farmer Perspectives on Industry Sustainability
Meisha Liddon	Conservation in the Anthropocene: following avian encounters in the East Asian-Australasian Flyway

## Beyond Averages 2: Methods, Applications and Analysis of High Resolution Climate Data

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Matthew Lucas, University of Hawaii at Manoa

**Primary Session Chair(s):** Kristen Sanfilippo *University of Hawaii at Manoa*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 324, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Matthew Lucas	Droplets to Data: Variable Climate-Aided High Resolution Daily Rainfall Mapping Across Extreme Gradients in the Hawaiian Islands
Keri Kodama	20-Year High-Resolution Mapping of Relative Humidity in the Hawaiian Islands for Wildfire Risk Decision-Support
Jonathon Preece	Dynamically downscaled projections of future precipitation and drought over Puerto Rico
Yusuke Hatanaka	A Deep Learning Approach to Improving Projections of Future Climate in Hawaii

**Fabulations I****Type:** Paper**Sponsor Group(s):** Cultural Geography Specialty Group**Primary Organizer:** Joe Gerlach, University of Bristol**Primary Session Chair(s):** Joe Gerlach**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Joe Gerlach	Fabulations
Johan Wiktor Hansson	Double Negation as Aporetic Fabulation; or, How to Make (almost) Nothing
Andrew Lapworth	Artificial Imagination: the Inventive Fabulations of AI
Tara Elisabeth Jeyasingh - Discussant	

**Non-Presenting Participants**

Role	Participant
Discussant	Tara Elisabeth Jeyasingh <i>UNSW Canberra</i>

## Untapped: Fresh Voices in Water Resources Geography – Planning & Policy

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Andrew Adams, Texas State University, Meadows Center for Water and the Environment

**Primary Session Chair(s):** Andrew Adams *Texas State University, Meadows Center for Water and the Environment*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Matthew Weisner, <i>Colorado State University</i>	Examining the Water Resource Implications of Carbon Capture Utilization and Storage
Danielle Juarez	A Nationwide Spatial and Policy Analysis of River Protections in the United States
Jessica Raty	Protecting Inland Waters: Assessing the Spatial Distribution of Outstanding National Resource Water Designations Under the Clean Water Act
Johanna Engstrom	Drought vulnerability assessment of high-income countries
Chansheng He	Vegetation Greening: Determining its safe threshold by a simple Budyko-based framework

## Digitally-enabled Social Innovation initiatives in the City

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Venere Stefania Sanna, University of Siena

**Primary Session Chair(s):** Venere Stefania Sanna *University of Siena*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Di Wang	How does innovation network improve high-quality development? Evidence from Chinese cities
Lalita kraus	Urban intelligence friction within peripheral data-driven urbanism
Carolina Pacchi	Emerging spatialities of hybrid community initiatives in Italian cities. Insights from Civic crowdfunding and Social streets
Venere Stefania Sanna	Social and the city: a methodology to assess Digitally-enabled Social Innovation practices
Jin-Kyu Jung, <i>University of Washington-Bothell</i>	Playful Data: Smart City Photo Booths

## Digital Geographies of Land Justice

**Type:** Panel

**Sponsor Group(s):** Digital Geographies Specialty Group

**Primary Organizer:** Emily Barrett, Vanderbilt University

**Primary Session Chair(s):** Emily Barrett *Vanderbilt University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 319B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panel discussion
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## Non-Presenting Participants

Role	Participant
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Role	Participant
Panelist	Isaac Rivera <i>University of Colorado Boulder</i>
Panelist	Joyce Percel <i>University of Calgary</i>
Panelist	Annita Hetoevehotohke'e Lucchesi <i>Sovereign Bodies Institute</i>
Discussant	Genevieve Reid <i>Florida International University</i>

## Finding your career outside academia: A workshop for graduate students (Opportunity II)

**Type:** Workshop

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Leslie McLees, University of Oregon

**Primary Session Chair(s):** Leslie McLees *University of Oregon*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Hydroclimatology 2

**Type:** Virtual Paper

**Sponsor Group(s):** Climate Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Natalie Teale,

**Primary Session Chair(s):** Natalie Teale *Miami University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 1

### Presentations (if applicable) and Session Agenda:

Jonathan Winter, <i>Dartmouth College</i>	Twenty-first century increases in total and extreme precipitation across the Northeastern United States
Natalie Teale, <i>University of Tennessee</i>	Projected impacts of climate change on destructive flood frequency in the Northeastern US

Bradford Johnson	In pursuit of predictability in urban-scale precipitation variability via a neural network
Sara Johnson	Building Flood Resilient Communities
Zhaojun Zhan	Comparison of local and remote controlling factors on the precipitation isotopic variation in Northwest Ethiopia Highland

## Digital Planning for Sustainable Urban Futures: tools and perspectives

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tommaso Gabrieli, Bartlett School of Planning, UCL, UK

**Primary Session Chair(s):** Tommaso Gabrieli *Bartlett School of Planning, UCL, UK*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Tommaso Gabrieli	Future Urban Growth Lab: theory and applications
Heeseo Kwon	A morphological cellular automata-agent based model prototype for simulating future isobenefit urbanism growth
Toni Ahlqvist	Gyroscope: Spatiotemporalities and future pathways in marine logistics
Shuer Hua	Quantitative Identification of Urban Spatial Evolution Patterns
Jamila Moore Pewu	Reimagining "Home:" Black Digital Futures and Extended Realities in California and Beyond

## Film Geographies: Semiotics and Geopolitics

**Type:** Paper

**Sponsor Group(s):** Film-Making and Screening Specialty Group, Media and Communication Geography Specialty Group

**Primary Organizer:** Joseph Palis, University of the Philippines-Diliman

**Primary Session Chair(s):** Katrinka Somdahl *Rowan University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Katrinka Somdahl, <i>Rowan University</i>	The Popular anti-Geopolitics of the MCU Phase 4 Superheroes
James Craine	Baudrillard's Hawaii: Warner Brothers Studios, Hawaiian Eye, and the Simulacrum
Marcia England, <i>Miami University</i>	Illustrating Ideation: Socio-Spatial Representations of Suicide Attempts
Jake Rowlett	May the 4th Be With Us: Fan Spaces as Creative Outlets in Portmagee, Ireland

## Being Vulnerable in Latin American cities (1)

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Natan Waintrub, Centre for Sustainable Urban Development (CEDEUS), Pontificia Universidad Católica de Chile

**Primary Session Chair(s):** Maria Jesus Alfaro-Simmonds *University of Huddersfield*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Natan Waintrub	Being vulnerable in Latin American cities: concepts and current research
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Leonardo Musumeci	Youth, territory and vulnerabilities: reflections from a research with young people from two favelas in São Paulo (Brazil) on their experience of the Covid-19 pandemic
Francisco Garcia	Fighting food injustices in times of interconnected crises: legacies and futures of ollas comunes in Santiago, Chile
Ignacio Aravena	Paying for integration. The overall neighborhood impacts of a mixed-income housing demand voucher: evidence from Chile
Cécile Faliès	Canchas, potreros and pasillos : spaces of freedom and justice for young people in Santiago de Chile in front of crisis

### Border Internalization 3

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Laurie Trautman, Western Washington University

**Primary Session Chair(s):** Laurie Trautman *Western Washington University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Lorenzo Rinelli	Inner Externalization: the dismantling of the Schengen area and the multiplication of borders.
Jussi P. Laine, <i>Karelian Institute, University of Eastern Finland</i>	(De)fencing (in)security at the Finnish-Russian border
Merje Kuus	The Arctic as a Space of Exceptions
Kate Coddington, <i>University at Albany (SUNY)</i>	Deterrence for whom? Public information campaigns as border internalization in Australia

## GeoAI and Deep Learning Symposium: Emerging Geo-Big Data Applications in Human Mobility Analysis I: Transport & Social Challenges

**Type:** Paper

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Xiao Li, University of Oxford

**Primary Session Chair(s):** Xiao Li *University of Oxford*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Bruce Newbold, <i>McMaster University</i>	COVID-19, Transportation Choices, and Implications for Social Interaction
Zhongfu Ma	Inferring directional spatial evolution pattern from sequential snapshots of spatial distribution
Yichen Xu	Generating human mobility flows from remote sensing images with deep learning approaches
Piyushimita "Vonu" Thakuriah	Assessing personal space and physical distancing using computer vision analytics of lifelogging image data
Farnoosh Roozkhosh	Predicting Electric Vehicle Demand for Charging Stations: Time Series and Machine Learning Approaches

## Geography and Data Science for Public Good III: Data-Driven Evidence and Solutions to Social and Spatial Inequalities.

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Patrick Ballantyne, University of Liverpool, Liverpool, UK

**Primary Session Chair(s):** Patrick Ballantyne *University of Liverpool, Liverpool, UK*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Billy Southern	Space and inequality: How uncertainty in the spatial extent impacts observations of poverty and affluence throughout the urban realm
Dylan Connor	Social mobility and the structure of cities
Paul Longley, <i>University College London</i>	The changing consequences of residential mobility in the United Kingdom
Sarah Bardin, <i>Arizona State University</i>	Moderating policy impacts: A case study of the Teen Pregnancy Prevention Evidence Review
Richard Fry	How the built environment affects the risk of falling in older people

## Advancing health research: Harnessing geospatial big data and geospatial techniques

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Hao Yang, University of Georgia

**Primary Session Chair(s):** Hao Yang

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Ruowei Liu, <i>University of Georgia</i>	Evaluating and Correcting the Sampling Bias in Geotagged Social Media Data - A Review
Hui Kong	Impacts of active mobility on physical activities and individual health
Wen Qi	Assessing the Efficient Frontier of Dietary Choices in the United States Across Socio-Economic Groups
Zihan Lin	Association between child firearm victimization and street vegetation at microplaces across U.S. cities

Donggen Wang	Differences in the influence of the built environment and travel attitudes on physical activities for people with normal weight, overweight and obesity
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## Geographies of Magical Tourism: Storytelling, placemaking, heritage, fantasy, and folklore

**Type:** Virtual Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Jane Lovell, Canterbury Christ Church University

**Primary Session Chair(s):** Jane Lovell *Canterbury Christ Church University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 9

### Presentations (if applicable) and Session Agenda:

Jane Lovell, <i>Canterbury Christ Church University</i>	Conceptualising magical tourism
Merit Zimmermann	Down the rabbit hole and back again: Magical portals in media tourism
Reagan Yessler, <i>University of Tennessee Knoxville</i>	Dungeons and Dragons: Stories of Race, Power, and the Fantastical
Q&A and General Discussion	

### Non-Presenting Participants

Role	Participant
Discussant	Annaclaudia Martini <i>University of Bologna</i>

## Political Ecology of Irrigation and Climate Change (2): Measurements and Efficiency

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Gustavo Oliveira, Clark University

**Primary Session Chair(s):** Ricardo Barbosa Jr *Clark University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Matt Saldana	Are we approaching a future dust bowl in the southern High Plains region?
Emily Reisman, <i>University At Buffalo</i>	Cracking Open the “Crop Water Requirement”: Almonds and the Politics of Irrigation Knowledge
Alida Cantor, <i>Portland State University</i>	Political ecologies of groundwater recharge: the ripple effects of efficiency, stream restoration, and hydrosocial change
Ricardo Barbosa, <i>Clark University</i>	Digital geographies of smart and precision irrigation
Discussant: Trevor Birkenholtz	
Q&A Block	

**Non-Presenting Participants**

Role	Participant
Discussant	Trevor Birkenholtz <i>Penn State University</i>

**Future of (Decent) Work in the Global South 1**

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Grace Mueller, University of Cambridge

**Primary Session Chair(s):** Grace Mueller *University of Cambridge*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Jun Wang	Labouring for the Value Chain of the Creator Economy in China
Aditya Ray	Coping with Crisis and Precarity in the Gig Economy: 'Digitally Organised Informality', Migration, and Socio-Spatial Networks of Care among Platform Drivers in India
JIAQIAN LI	The Impact of Platform Economy on Social Mobility
Debangana Bose	Navigating Liminality: The Constrained Agency and Everyday Experiences of App-based On-Demand Food Delivery Workers in a Small Town in India

**The Pre-GISP Exam (Opportunity IV)****Type:** Workshop**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Tony Spicci, GIS Certification Institute**Primary Session Chair(s):** Jochen Albrecht *Hunter College CUNY***Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313B (O'ahu), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:****HRDSG Environmental justice****Type:** Paper**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona**Primary Session Chair(s):** Sahar Derakhshan *Cal Poly Pomona***Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Amanda Rees	Adapting a Buildable Lands Model to Address Homelessness in the Denver Metropolitan Region
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Joseph Karanja	Influences of Different Tent Cover Materials on the Mean Radiant Temperature
Sahar Derakhshan, <i>University of South Carolina</i>	Geospatial patterns of urban development and earthquake retrofits in Los Angeles, CA
Kirsten Beyer	The Environmental Racism Index (ERI): estimating the strength of association among environmental risk/benefit, contemporary mortgage lending disinvestment, and residents of color across US geographies
Chunyu Dong, <i>Sun Yat-sen University</i>	Increased urban vegetation inequality in southwestern U.S. cities under a warming and drying climate

## Hazards, Risks, and Disasters1 (Virtual) : Decision Making and Risk Analysis

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Margot Habets *University of South Carolina*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

Margot Habets	Assessing Social Vulnerability and Risk Analysis in State Hazard Mitigation Plans
Jennifer Henderson, <i>Cooperative Institute for Research in Environmental Sciences</i>	Emergency Managers and Compound Hazard Vulnerability: Results from a National US Survey
Rae Zimmerman	Promoting Multiple Stakeholder Connectivity to Confront Natural Hazards by Overcoming Spatial Mismatches
Margot McDonald	Strengthening Wildfire Resilience through Better Planning, Policy and GIS Spatial Analysis using the PIRS™ Methodology

Piyush Kumar	Measuring Capacity of Wards of Mumbai to Withstand Disasters: A Hierarchical Fuzzy Logic Analysis
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## Critical Physical Geographies of Flooding

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Rebecca Lave, Indiana University

**Primary Session Chair(s):** Lisa Kelley *University of Colorado, Denver*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Joel Correia	Flash floods and fast droughts: A critical physical geography of water justice along the Pilcomayo River in South America
Holly Moulton, <i>University of Oregon</i>	Reframing Flood Risk in the Andes through Feminist Climate Justice
Micah Fisher	Resistance, incorporation, and obsolescence: The contradictory trajectories of participatory mapping in Indonesia's land and resource politics

## How to Survive Your First Year as a Faculty Member

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jack Swab, University of Kentucky

**Primary Session Chair(s):** Jack Swab *University of Kentucky*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Clare Beer <i>Loyola Marymount University</i>
Panelist	Bill Limpisathian <i>University of Wisconsin</i>
Panelist	Fikriyah Winata <i>Mississippi State University</i>
Panelist	Shamayeta Bhattacharya <i>Point Park University</i>

### Gentrification and Ghettoization: Geographies of Eviction, Banishment, and Stigmatization

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Alexander Ferrer, UCLA Geography

**Primary Session Chair(s):** Alexander Ferrer *UCLA Geography*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Martine August	Eviction, Spatial Inequality, and Financialization in Toronto
Richard Kirk	Legitimizing displacement: Academic discourse, territorial stigmatization, and gentrification
Alexander Ferrer	Corporate Practices of Racial Banishment in Los Angeles
Julie Mah, <i>University of Toronto Scarborough</i>	Evictions in Ontario: Understanding the geography and impacts of above guideline rent increases
Alan Walks	Gentrification through Rentierization? Condofication of the Rental Stock in Major Canadian Cities

## The Past Before Us: Navigating Island-centered Histories and Futures 4

**Type:** Panel

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kyle Kajihiro, University of Hawai'i - Mānoa

**Primary Session Chair(s):** Sasha Davis *Keene State College*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel and open discussion

### Non-Presenting Participants

Role	Participant
Introduction	Sasha Davis <i>Keene State College</i>
Panelist	Neha Kohli <i>University of Florida</i>
Panelist	Kaiqing Su <i>University of Hawai'i - Mānoa</i>
Panelist	Caroline Ferguson <i>University of Maine</i>
Panelist	Tatsuki Kohatsu <i>University of Hawai'i - Mānoa</i>

## Future-Focused Education Strategies 1

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Katherine Lester, University of Southern California

**Primary Session Chair(s):** Samantha Serrano *James B. Conant High School*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Andrew Trgovac	Reproductions and Replications as Project Based Learning in Geographic Information Science
Joseph Kerski, <i>Esri</i>	5 Ways to Teach about Scale with Interactive Maps and GIS
David Cowen	University Libraries as Providers of GIS Services: A Guide
Gabriel Granco, <i>California State Polytechnic University Pomona</i>	AI for Social Good (AI4SG): A Project-Based Approach to Climate Change Education and Action
Samantha Serrano	AI Chatbots in the Geography Education Classroom

**Geospatial Health Research Symposium - Health services****Type:** Paper**Sponsor Group(s):** Health and Medical Geography Specialty Group**Primary Organizer:** Amber Pearson,**Primary Session Chair(s):** Amber Pearson**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Joseph Oppong, <i>University of North Texas</i>	Ghana's changing access to Health Care – Cash and Carry De ja vu?
Sudarshana Bordoloi	Migrants and Experiential Dimensions of Healthcare in the United States: Understanding Healthcare Access from a Health Equity Framework
Ikuho Yamada, <i>University of Tokyo</i>	Colocation patterns of medical facilities: a case study in suburban Tokyo, Japan
Emmanuel Aklie	The Ghanaian War Against Malaria: A Geospatial Approach to Malaria and Healthcare Access in Ghana

## Black Geographies Specialty Group Plenary: Decolonizing Detroit: Blackness, Indigeneity, and Afro-Indigenous Futures

**Type:** Plenary

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Black Geographies Specialty Group

**Primary Organizer:** Priscilla McCutcheon,

**Primary Session Chair(s):** Priscilla McCutcheon *University of Kentucky*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Addressing Air Pollution: Research and Innovations

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Bailiang Li, Xi'an Jiaotong-Liverpool University

**Primary Session Chair(s):** Meng Gao *Hong Kong Baptist University*

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Meng Gao	Reduced aerosol pollution and intensified summertime rainfall under COVID-19 lockdown in India
William Keenan	A Machine Learning Approach to Forecasting and Estimating Ground Level Ozone
Bailiang Li	Wind effect on PM1 sampling efficiency
Sunyurp PARK	Facebook Prophet-Based PM10 Level Forecast in Busan Metropolitan City, South Korea

## Urban and Population Geographies of China

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jiang Chang

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Pu Hao, <i>Hong Kong Baptist University</i>	Rural Migrant Workers in the Gig Economy in China
Wenwei Linda BAO	Urban development induced resettlement and sense of place: A case study of a tier-three city in Henan Province, China
Zhiwei Du	Population shrinkage in rapid urbanization China: evidence from Guangdong province
Jiang Chang	Social environments still matter: The role of physical and social environments in place attachment in a transitional city, Guangzhou, China

## Conservation and Global Governance

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Hanson Nyantakyi-Frimpong

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yousuf Mahid	Coloniality of Knowledge and Global Climate Governance: A Critical Assessment of Nature-based Solutions Narratives
Xavier Haro-Carrión, <i>Macalester College</i>	Navigating conservation initiatives in private lands: lessons from Ecuador's Socio Bosque Program

Chiara Camponeschi	Connecting Planetary Health and Planetary Urbanization: Exploring Synergies, Gaps, and Opportunities to Advance More Equitable Care-Based Responses
Hanson Nyantakyi-Frimpong, <i>University of Denver</i>	Nature-Based Solutions to Climate Change and the Reproduction of Maladaptation

## Machine Learning and GIS

**Type:** Virtual Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Noah Jacobs	Using Multi-Scale Remote Sensing Data, Machine Learning, and Holistic Ethnography to Recognize Smallholder Farmsteads in Perry County, Alabama
Zaklina Grgic, <i>University of Georgia</i>	Interpretation of recent changes in residential density in Zagreb, Croatia
Dawn Hawley, <i>Department of Geography, Planning and Recreation</i>	Generative AI and UDL: Removing Learning Barriers
Wendy Miller, <i>SUNY - Cortland</i>	The Importance of Service Learning in GIS: Partnering Undergraduates and a County Planning and Zoning Department
Jun Luo, <i>Missouri State University</i>	Modeling Consumer Behavior with Machine Learning: A Data Centric Approach
K M Ashraful Islam	Assessing How ChatGPT Handles the Complexities of Scale through the Lens of Geography
Derek Basil-Porter, <i>Pomona College</i>	Mapping Hybridities of People, Places, and Projects to Strengthen a Model of Sustainability from the Margin

Will French	Generation of a geospatial database and workflow that relates spatiotemporal changes in environment to material degradation CONUS-wide.
Leslie Duram, <i>Southern Illinois University</i>	Climate Change, People, and Geography: Reaching an Interdisciplinary Audience

## Topics in Geography

**Type:** Virtual Guided Poster

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 11

### Presentations (if applicable) and Session Agenda:

Kyle Steen	Predicting Cotton Above Ground Biomass Using Multispectral Imagery from Uncrewed Aerial Systems
Harman Singh	Leveraging News Media for Disaster Resilience Information in Data Sparse Environments
Benjamin Smith	Mapping the Bureaucratic Geographies of Financial Crime Governance in South Florida
Maliha Mahbub	A Quantitative Analysis of Public Attitudes toward Climate Change Threats, government's action and Foreign Policy Goals

## F4\_1 Kaka'ako District Brewery Walking Tour

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Richard Deal,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 1:00 PM - 6:40 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

**WS4\_5 Forensic and Investigative Cartography**

**Type:** Workshop

**Sponsor Group(s):**

**Primary Organizer:** Aileen Buckley, Esri

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 323A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

**Ruptures, Institutional Change and Regional Economic Development 2**

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group, European Specialty Group, Political Geography Specialty Group, Regional Development and Planning Specialty Group

**Primary Organizer:** Harald Bathelt, University of Toronto

**Primary Session Chair(s):** Christian Sellar *University of Mississippi*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Euarda Marques Da Costa	Metropolization trends of Telework in post-COVID times in Portugal
Kathryn Hannum, <i>Kent State University</i>	Regional Diaspora Engagement and Return as Economic and National Revitalization Strategy in Galicia, Spain.
Patrick Adler	'You'll Never Work in this Town Again?': Labor Market Adjustments to the 2023 WGA and SAG -AFTRA Strikes

Hao Wang	Rethinking the Origin and Evolution of Housing Institutions: A Comparison of the Housing Policies in Hong Kong and Singapore
Harald Bathelt, University of Toronto	

## Critical Perspective on Emerging Technologies and Digital Literacy

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Digital Geographies Specialty Group

**Primary Organizer:** Nina Hewitt, University of British Columbia

**Primary Session Chair(s):** Siobhán Wittig McPhee *University of British Columbia*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Micheal Jerowsky <i>University of British Columbia</i>
Panelist	Emma Fraser <i>University of California, Berkeley</i>
Panelist	Loch Brown <i>University of British Columbia</i>
Panelist	Betta Manalo <i>University of Nevada, Reno</i>

## Transoceanic Fishers: Multiple Mobilities Across Seas and Oceans

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Xuefei Shi, CMI—Chr. Michelsen Institute, Norway

**Primary Session Chair(s):** Xuefei Shi *CMI—Chr. Michelsen Institute, Norway*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Edyta Roszko	Connecting Seas, Markets and Sovereignties through Occupational slippage: Beyond Transnational Organized Fisheries Crime
Xuefei Shi	The Indian Ocean Entanglement: Crab Fisheries and Intertidal Encounters between Madagascar and China
Peter Vandergeest	Oceans as workspace: Migrant workers and racial capitalism in industrial fishing
Hang Zhou	Chinese Distant-Water Fishers in Guinea-Bissau: (im)mobilities and masculinities

## Urban Sensing and Understanding via Geospatial Big Data and AI

**Type:** Virtual Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group

**Primary Organizer:** Zhenlong Li, University of South Carolina, US

**Primary Session Chair(s):** Huan Ning *Pennsylvania State University*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 8

**Presentations (if applicable) and Session Agenda:**

Huan Ning	Estimating hourly neighborhood population based on smartphone-based human mobility data
Jeong Seong	Study of Vehicle Crash Patterns in Metro Atlanta Counties Using Geo-AI and Big Data Analysis

Peiqi Zhang	Cruising for parking behavior detection using unlabeled big mobile device data
Topista Barasa	Spatial Patterns of Urban Decline in Small Rust-belt Cities
Kee Moon Jang	Urban street clusters: Unraveling the influence of street characteristics on urban vibrancy dynamics in age, time and day

## AAG Shorts 2024

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Film-Making and Screening Specialty Group

**Primary Organizer:** Joseph Palis, University of the Philippines-Diliman

**Primary Session Chair(s):** Jessica Jacobs *Queen Mary University of London*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

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### Non-Presenting Participants

Role	Participant
Panelist	Jessica Jacobs <i>Queen Mary University of London</i>
Panelist	Alice Salimbeni <i>University of Cagliari</i>
Panelist	Heather Davis <i>University of Tennessee</i>
Panelist	Mylene De Guzman <i>Hallym University</i>
Panelist	Joseph Palis <i>University of the Philippines-Diliman</i>

Panelist	Vera Zambonelli <i>Hawaii Women in Filmmaking</i>
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## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Advances in approaches and methods of flood resilience studies 2

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Wenhan Feng, Department of Geography, LMU Munich, Germany

**Primary Session Chair(s):** Wenhan Feng *Department of Geography, LMU Munich, Germany*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Yijia Ren	The Macro-economic Impact of Extreme Floods
Anissa Vogel	Looking Back to Move Forward: Creating Risk-Sensitive Development Pathways for Myanmar's Ayeyarwady Delta
Konstantin Gisevius	The role of community leadership in building community adaptive capacity to coastal hazards – Insights from neighborhood networks in Semarang, Indonesia
Bradford Bates	Operationalizing NOAA's Flood Inundation Mapping Services: Expanding Equitable and Timely Flood Forecasting
Lily Ziyue Zhang, <i>Test</i>	A Qualitative Study of Community-Identified Causes, Impacts, and Solutions to Flooding in Urbanizing Neighbourhoods in Accra and Kumasi, Ghana

## Fleming Lecture: Dr. Mark Horner

**Type:** Panel

**Sponsor Group(s):** Transportation Geography Specialty Group

**Primary Organizer:** Scott Kelley, University of Nevada, Reno

**Primary Session Chair(s):** Scott Kelley *University of Nevada, Reno*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 311 (Kaua'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Fleming Lecture

**Non-Presenting Participants**

Role	Participant
Introduction	Scott Kelley <i>University of Nevada, Reno</i>
Panelist	Mark Horner <i>Florida State University</i>
Discussant	Selima Sultana <i>University of North Carolina, Greensboro</i>

**Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Closing Plenary**

**Type:** Plenary

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Mei-Po Kwan, The Chinese University of Hong Kong

**Primary Session Chair(s):** Mei-Po Kwan *The Chinese University of Hong Kong*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Plenary

**Non-Presenting Participants**

Role	Participant
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Role	Participant
Introduction	Mei-Po Kwan <i>The Chinese University of Hong Kong</i>
Panelist	Xun Shi <i>Dartmouth College</i>
Panelist	Shelly Lap-Ah Tse <i>The Chinese University of Hong Kong</i>
Panelist	Suhong Zhou <i>Sun Yat-sen University</i>
Panelist	Lan Wang <i>Tongji University</i>
Panelist	Yan Liu <i>The University of Queensland</i>

## Fabulations II

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Joe Gerlach, University of Bristol

**Primary Session Chair(s):** Joe Gerlach *University of Bristol*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Keith Harris, <i>University of Washington</i>	Fabulation, speculative design, worldbuilding
Christopher Lawer	The geo-becoming of a group-subject via shared fabulations of real experience: A speculative case of British armed forces veterans with pain
Arun Saldanha	Absolutely Fabulous: decolonial fabulation in Hawai'i and Palestine
Oliver Belcher	Fanon's Political Tragedies
Michele Lobo - Discussant	

### Non-Presenting Participants

Role	Participant
Discussant	Michele Lobo <i>Deakin University</i>

## GeoAI and Deep Learning Symposium: Emerging Geo-Big Data Applications in Human Mobility Analysis II: Characterization of Place and Patterns of Life

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Junchuan Fan, Oak Ridge National Laboratory

**Primary Session Chair(s):** Junchuan Fan *Oak Ridge National Laboratory*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Joonseok Kim, <i>Oak Ridge National Laboratory</i>	Deep Learning based Travel Time Estimation for Simulating Patterns of Life
Junchuan Fan, <i>Oak Ridge National Laboratory</i>	Towards a GeoAI foundational model for location intelligence
Jina Kim	Understanding Spatial Triad with Locality Representation through Online Texts

## Imagining the Multispecies City: Co-habitation and Urban Futures 2

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Landscape Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Anna Bierbrauer,

**Primary Session Chair(s):** Anna Bierbrauer *University of Wisconsin-Madison*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Christoph Rupprecht, <i>Ehime University</i>	Multispecies campus and speculative fiction as practices for changing meanings, connections, and power
Deike Peters, <i>SUA</i>	Re-Thinking Urban Natures as Ecological Pluriverses: What does this mean for Los Angeles' Last Remaining Wetland?
Clare Fidler, <i>Michigan Technological University</i>	Solarpunk and Equitable Mobilities in a Climate-Adapted Future
Flurina Wartmann	Messy natures: the political aesthetics of nature recovery and rewilding glimpsed through digital media

**Author Meets Critics for Dr. Ben Gerlofs' "Monstrous Politics: Geography, Rights, and the Urban Revolution in Mexico City"**

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Wesley Attewell, The University of Hong Kong

**Primary Session Chair(s):** Wendy Chen *The University of Hong Kong*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 309, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panel Discussion
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**Non-Presenting Participants**

Role	Participant
Discussant	Ben Gerlofs <i>The University of Hong Kong</i>
Panelist	Mona Domosh <i>Dartmouth College</i>
Panelist	Kylie Poon <i>The University of California, Los Angeles</i>

Panelist	Wesley Attewell <i>Department of Geography, The University of Hong Kong</i>
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## Animals and the Use of Space 2

**Type:** Paper

**Sponsor Group(s):** Animal Geography Specialty Group, Applied Geography Specialty Group, Protected Areas Specialty Group, Rural Geography Specialty Group

**Primary Organizer:** Chinedu Nsude, University of Oklahoma

**Primary Session Chair(s):** Rebecca Loraamm *University of Oklahoma*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kim Diver	Where the bears go: spatiotemporal trends in citizen bear reports
Kirsten Repogle	Analyzing the Interplay of Migratory Flyways and potential HPAI outbreaks in North America
Martin Lafrenz, <i>Portland State University</i>	Developing Priority Wildlife Connectivity Areas in Oregon
Rebecca Loraamm	Analysis of Cattle Trajectories in Southcentral Oklahoma

## The Golden Compass Onward: enabling equitable and inclusive faculty success through supportive departmental leadership

**Type:** Panel

**Sponsor Group(s):** AAG JEDI Committee

**Primary Organizer:** Jieun Lee, Department of Geography, GIS, and Sustainability, University of Northern Colorado

**Primary Session Chair(s):** Jieun Lee *University of Northern Colorado*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313A (O'ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Rhuthmic-thinking: Decolonizing Rhythmanalysis

**Type:** Paper

**Sponsor Group(s):** Feminist Geographies Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Marina Karides, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Marina Karides *University of Hawai'i at Mānoa*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kaiqing Su	Intimate with Water: Ruthmanalysis of Urban Flooding in Guangzhou
Salomé Lopes Coelho	'Rhuthmanalysis': an experimental methodology to trouble Euro- and Human- centric Approaches in Rhythm Studies
Marina Karides, <i>University of Hawaii At Manoa</i>	Natural Wines: Shifting Social and Ecological Rhythms
Rhianna Garrett	'Mixed race' approaches through indigenous knowledge practices

### Non-Presenting Participants

Role	Participant
Other	Salomé Lopes Coelho <i>NOVA University of Lisbon</i>
Other	Kaiqing Su <i>University of Hawai'i at Mānoa</i>
Other	Marina Karides <i>University of Hawai'i at Mānoa</i>
Other	Rhianna Garrett <i>Loughborough University</i>
Discussant	Salomé Coelho <i>NOVA University of Lisbon</i>

## Border Internalization 4

**Type:** Paper

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** Reece Jones, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Reece Jones *University of Hawai'i at Mānoa*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Amy Reid	Young people's relationship with the Irish border in post-Brexit Northern Ireland
Merrill Hopper	Everyday Walls: Encountering of the matter of difference in everyday objects in West Belfast
Gabriel Popescu	The Border as a Spider Web

Mineral extraction, an analysis of political, economic, labour, social, historical and geo-ecological landscapes in transformation

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Diana Salazar, University College London

**Primary Session Chair(s):** Diana Salazar *University College London*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Mukul Kumar	King Coal in the Asia Pacific
Sigismond Wilson	Mining-Induced Displacement, Resettlement, and Human Rights: The Case of Mining Communities in Sierra Leone
Oluwagbenga Orimoogunje	Nexus between Artisanal Mining and Biophysical Landscape Transformation in a Typical Gold Mining Environment in Southwestern Nigeria

Diana Salazar	Co-Producing an Environmental History of La Guajira: Building Solidarity Through Decolonising Narratives
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### Non-Presenting Participants

Role	Participant
Panelist	Mukul Kumar <i>Assistant Professor Department of Urban Planning and Public Policy School of Social Ecology University of California, Irvine</i>

## Beyond Averages 3: Methods, Applications and Analysis of Drought Climate Data

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Kristen Sanfilippo, University of Hawaii at Manoa

**Primary Session Chair(s):** Matthew Lucas *University of Hawaii at Manoa*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 324, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Brian Fuchs	Pushing the Threshold with New Advancements and Tools in Drought Monitoring
Derek Ford	The Pacific Drought Knowledge Exchange's Climate Portfolio
David Simeral	Long-term climate monitoring in complex terrain of the tropical Pacific Islands: challenges, lessons learned, and observations from the field after a decade of in-situ monitoring in U.S. national parks in the Pacific Island region.
Chintamani Kandel	Monitoring Meteorological and Hydrological Drought Conditions in Kentucky
Kelsey Emard, <i>Oregon State University</i>	Assessing the epistemic risk in providing "actionable" data to support farmers' adaptation to climate change

## Climate Specialty Group Keynote: "Ma ka hana ka mana: The health of the land is a reflection of the health of the people"

**Type:** Plenary

**Sponsor Group(s):** Climate Specialty Group

**Primary Organizer:** Kelsey Ellis, University of Tennessee

**Primary Session Chair(s):** Kelsey Ellis

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Environmental Data Deserts 2: Understanding the Causes and Consequences of the Unequal Coverage of Environmental Monitoring Networks

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Alamin Molla, Arizona State University

**Primary Session Chair(s):** Aaron Flores *Arizona State University*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 314 (Lāna'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Mary Donovan	Collaborative monitoring and data synthesis to fill critical information gaps for coral reef management in Hawai'i
Meiyu Guo	Characterizing methane emissions from shale gas production in China
Gang Chen, <i>University of North Carolina at Charlotte</i>	A multi-city assessment of the relationship between fine-scale urban form and air quality
Kelsey McDonald	Measuring Personal Air Quality During an Exceptional Year (Sept. 2019-Sept. 2020, Minneapolis)
Madeline Berger	Modeling and mapping human activities affecting nearshore conditions in the Main Hawaiian Islands

## Untapped: Fresh Voices in Water Resources Geography – Physical Systems

**Type:** Paper

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Andrew Adams, Texas State University, Meadows Center for Water and the Environment

**Primary Session Chair(s):** Andrew Adams *Texas State University, Meadows Center for Water and the Environment*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Andrew Lewis	Springing forward to community-centered pūnāwai monitoring and restoration on O'ahu, Hawai'i
Priyanjali Bose	A New Water Budget for Texas
Javar Henry	Long-term Trend and Seasonal variation of Water Quality in Lake Victoria observed by MODIS satellite over past two decades
Richard Daniels, <i>Washington State Department of Transportation</i>	Using a Water Level Anomaly index as a Predictor of Coastal Erosion in the Pacific Northwest during El Niño/ENSO events
Lauren Childs-Gleason, <i>NASA</i>	Building Capacity in Early Career Individuals to Apply NASA Earth Observations in the Water Resources Sector

## Future of (Decent) Work in the Global South 2

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session, Economic Geography Specialty Group

**Primary Organizer:** Grace Mueller, University of Cambridge

**Primary Session Chair(s):** Debangana Bose *University of Cambridge*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 312 (Ni'ihua), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Taneesha Mohan	Forced Labour as Survival Strategies: The Rising Precarity of the Women Prawn Seedling Catchers of the Sunderbans
Max Gear	The Studio Pinch: Aesthetic Labor and Economic Disjuncture in a Havana Music Scene
yewon kim	Navigating Lives: Understanding Water Scarcity in Jordan Urban for a sustainable future
Grace Mueller, <i>University of Cambridge</i>	“Am I your sister or your worker?” : Labor agency, relationality and livelihood trajectories of domestic workers in Nepal

## Being Vulnerable in Latin American cities (2)

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Natan Waintrub, Centre for Sustainable Urban Development (CEDEUS), Pontificia Universidad Católica de Chile

**Primary Session Chair(s):** Natan Waintrub *Centre for Sustainable Urban Development (CEDEUS), Pontificia Universidad Católica de Chile*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317B (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Cristhian Figueroa-Martínez	The story of success of a deprived neighbourhood of Santiago de Chile: exploring the links between the built environment and people's place attachment
Joanna Kocsis, <i>University of Toronto</i>	Neoliberal Reform And The Lives Of Urban Youth In Cuba: The disruption of 'place', past, present, and future
Anna Drury	Putafeminismo: Sex Work, Agency, and Afterlives of Sexual Slavery in Brazil
Aleksandra Krstikj	Food environments and vulnerability in Monterrey, Mexico

## Contemporary Tourism Geographies 5: Tourism and Transformation

**Type:** Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University, Australia

**Primary Session Chair(s):** Joseph Cheer *Western Sydney University, Australia*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Jamie Gillen, <i>University of Auckland</i>	The city that did not learn: Collective forgetting in post-COVID Hanoi
Maria Kuklina	TOURISM, INFRASTRUCTURE AND COMMUNITIES: LIVING WITH TOURISM DEVELOPMENT IN THE INDIGENOUS HOMELANDS OF NORTHERN RUSSIA AND MONGOLIA
Ho Cheung Ho	How can co-creation be achieved by storytelling in Community-based Tourism (CBT) in Hong Kong? A case study of Kowloon City
Ana Vera-Martin	RETAIL EVOLUTION OF URBAN CENTERS. WHERE ARE WE GOING? A PERMANENT TOURISM

## HRDSG Flooding

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Sina Razzaghi Asl *Princeton University*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Xue Li	Recent trends in flood exposure and social inequality in major US cities from 2000 to 2020
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Risa Palm	To Rebuild or Not to Rebuild in Coastal Flood Zones: framing and partisan cues
sina razzaghi asl, <i>No Affiliation</i>	Nature-based solutions and flood vulnerability in small urbanizing regions: A study of the Philadelphia Metropolitan Area
Edward Helderop	Higher elevation and higher prices: A model predicting climate gentrification in coastal Florida
Joyanal Abedin, <i>Texas A&amp;M University</i>	Deciphering the Dynamics of Flood Risks: A Comprehensive Geospatial and Temporal Assessment in the Contiguous United States

## Hazards, Risks, and Disasters2 (Virtual) : Environmental justice and Risk perception

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Sarah L. Jackson *Western Carolina University*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

Randy Pepler, <i>University of Oklahoma</i>	Expressions of Place Attachment and Environmental Justice Near the Tar Creek Superfund Site
Sarah Jackson	The Tornado Risk Survey: Assessing Risk Perceptions and Response Actions Among Illinois Residents
Wonmin Hong, <i>Louisiana State University</i>	Whose Covid19? Media Reproduction of Daerim-dong in South Korea
Ufuoma Ovienmhada, <i>MIT</i>	Co-Producing Geospatial Tools to advance Environmental Justice in Prison Landscapes

Sanam Aksha, <i>University of Central Florida</i>	Exploring the relationship between social vulnerability and disaster assistance allocation to the renter population in the United States
Biswanath Dash	Ecological Restoration of Chilika Lake, India: A STS Perspective

### Political Ecology of Irrigation and Climate Change (3): Access and Difference

**Type:** Paper

**Theme:** Colonialism and Resources

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Water Resources Specialty Group

**Primary Organizer:** Gustavo Oliveira, Clark University

**Primary Session Chair(s):** Ricardo Barbosa Jr *Clark University*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301B, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Nethmi Bathige	"We Treat Our Water Like Gold" : A feminist political ecology of climate resilient home gardens in Sri Lanka's Dry Zone
Margiana Petersen-rockney	Climate Change Creates Opportunities for Racialized Disparity in Enforcement of Land and Water Use Policy
Sammy Feldblum, <i>UCLA</i>	Political ecology of drought in Chile's Petorca province
Gustavo de L. T. Oliveira, <i>Clark University</i>	The political ecology of irrigation in western Bahia, Brazil
Discussant: Alida Cantor	
Q&A	

#### Non-Presenting Participants

Role	Participant
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Role	Participant
Discussant	Alida Cantor <i>Portland State University</i>

## New Approaches to the Study of Environmental Change and War

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kevin Woods, East-West Center

**Primary Session Chair(s):** Kevin Woods *East-West Center*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 319A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

He Yin, <i>No Affiliation</i>	Earth's Eye on Wars: Remote Sensing for Armed Conflicts Monitoring
Kevin Woods	Ruptures in Land Relations in War and Ceasefire in Kawthoolei, Southeastern Myanmar
William O'Brien	Nonhumans in rebellion: Mountainous terrain as ally in the Mau Mau uprising
Jennifer Devine, <i>Texas State University - San Marcos</i>	The Cattle-Cocaine Supply Chain in Central America
Jesse Wong	The Effects of Armed Conflicts and Cropland Activity in Non-Abandoned Fields in Syria

## Geographic approaches to equity and inclusion in higher education

**Type:** Paper

**Sponsor Group(s):** AAG JEDI Committee, Community College Affinity Group, Critical Geographies of Education Specialty Group, Geography Education Specialty Group, Geography Faculty Development Alliance (GFDA)

**Primary Organizer:** Emily Murai, University of California Santa Cruz

**Primary Session Chair(s):** Kenneth Foote *University of Connecticut*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Nicole Mayberry, Ph.D.	One University in Many Places: Geography, Access, and Excellence
Grady Dixon, <i>Fort Hays State University</i>	Unexpected Benefits of a Hiring-Focused Diversity Project
Michaela Dengg	Internationalization-at-Home (IaH) as an Alternative to Study Abroad
Emily Murai, <i>University of California Santa Cruz</i>	Non-tenure track faculty in Geography: some preliminary findings
Cecelia Kaufmann	Towards Accessible Futures: Re-imagining Space and Inclusion in Higher Education

**Future-Focused Education Strategies 2****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Katherine Lester, University of Southern California**Primary Session Chair(s):** Rhett Mohler *Saginaw Valley State University***Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Caleb Feldman	Creating Spaces of Equity and Educational Justice in Introductory Physical Geography Classrooms
John Frye	Engaging Undergraduate Students in Research through Field-Based Courses
Xuechao Zheng	Humour as a Pedagogical Tool in Human Geography
Cerian Gibbes, <i>University of Colorado at Colorado Springs</i>	Implementation of the Learning Assistant Model in Geography Classrooms

Rhett Mohler, <i>Saginaw Valley State University</i>	Using Uncrewed Aerial Vehicles (UAVs) and UAV imagery as a teaching and research tool at smaller, undergraduate-centered institutions.
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## Geospatial Health Research Symposium - Obesity, diet and chronic disease

**Type:** Paper

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Yutian Zeng	Disparities in Obesogenic Environment and Child Health in Baton Rouge, Louisiana
Jose-Benito Rosales Chavez, <i>Arizona State</i>	Street food, food availability, and dietary health outcomes: a systematic review

## Issues in Urban and Regional Planning

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Tommi Inkinen

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Liang Zhou	A critical role of the capital green belt in constraining urban sprawl and its fragmentation measurement
Christine Hwang	How the Catholic Church Planned Twentieth-Century Detroit

Daniel You-Ren Yang	The urban land re-adjustment zone development, monopoly power and the consensus manufacturing: The case of Taiwan's urban land readjustment implemented by the private sector
Lee Seong Min	The impact of regionally linked industries between hub cities and surrounding areas on urban growth - a case study of small and medium-sized cities in South Korea
Tommi Inkinen	Growth and Decline in Spatial Economy. Considering Regional Development and Scales

## Transportation Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Huiwen Wang	Transportation planning of bin handling robots in warehouses considering aisle congestion
Kyle Titlow	Bureau of Transportation Statistics: Annual updates for geographers
Moses Olaniran Olawole	Determinants of Ground Access Mode Choice to Domestic Airport in Lagos, Nigeria
Bartłomiej Kołsut	Geography of the second-hand cars trade - the case of Poland

## Mapping Urban Dynamics

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sergio Rey

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 325A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Wei Huang	Uncovering spatiotemporal patterns and potential factors of traffic congestion: a case study of New York City
Xinxin Wu	Global mapping of 3D urban structures reveals escalating utilization in the vertical dimension and pronounced building space inequality
Zulfikar Dinar Wahidayat Putra	A Grassroots Approach for Urban Intervention: What Influences its Survivability?
Sergio Rey, <i>University of California - Riverside</i>	Joint Markov Chains for Intersectional Urban Dynamics

## Agricultural and Precipitation GIS

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Muna Khatiwada

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 10

**Presentations (if applicable) and Session Agenda:**

Mohammad Maruf Billah	Crop yield and seed composition estimation using UAV remote sensing and deep transfer learning
Ubaid Janjua	Crop yield estimation using crop growth model, machine learning and remote sensing data assimilation
Muna Khatiwada	Precipitation Trends in the Ganges-Brahmaputra-Meghna River Basin, South Asia: Inconsistency in Satellite-Based Products

## Geographies of the Neighborhood and Home

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Michael Gaffney

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Toby Smith, <i>University of California, Davis</i>	Housing Vitalization: Sacramento's Racial Capitalist Hellscape
Yuna Matsubayashi	Study of the Community Association in single-family homes of Japan
Yifan Lin	Mapping the structure of living circle in rural areas using the network science analytics
Michael Gaffney, .	Disaster management in Hartford Connecticut

## Asian Geography Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Asian Geography Specialty Group

**Primary Organizer:** Diganta Das,

**Primary Session Chair(s):** Diganta Das

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

## Urban Geography and Planning

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sophia Maalsen	Design thinking in Urban Governance
Sylvia He	Long commutes, work-life balance, and well-being: A mixed-methods study of Hong Kong's new-town residents
Steve H.L. Yim	Integrating Doppler LiDAR and Machine Learning into Land-use Regression Model for Advancing Vertical Source Apportionment of Urban Air Pollution
Thomas Sanchez	Unveiling the Unseen Challenges: Bias and Ethics in AI-Driven Urban Planning

## Geomorphology and Society Distinguished Lecture In Honor of L. Allan James: From Anthropogeomorphology to Anthropocene Scholarship

**Type:** Panel

**Sponsor Group(s):** Geomorphology Specialty Group

**Primary Organizer:** Ranbir Kang, Kennesaw State University

**Primary Session Chair(s):** Ranbir Kang *Kennesaw State University*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Anne Chin <i>University of Colorado Denver</i>

## The 2024 Antipode American Association of Geographers Lecture

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Andrew Kent,

**Primary Session Chair(s):** Andrew Kent

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 320 (ʻEmalani), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Vernadette Gonzalez <i>Professor of Asian American and Asian Diaspora Studies, Department of Ethnic Studies, University of California, Berkeley</i>

## Making technology that matters: Careers at Esri

**Type:** Panel

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Angela Lee, Esri

**Primary Session Chair(s):** Angela Lee *Esri*

**Date:** 4/19/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313B (Oʻahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Angela Lee <i>Esri</i>
Panelist	Brian Baldwin <i>Esri</i>

## Water Resources Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Water Resources Specialty Group

**Primary Organizer:** Denielle Perry,

**Primary Session Chair(s):** Denielle Perry

**Date:** 4/19/2024 **Time:** 5:40 PM - 6:40 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

## 2024 AAG Awards Reception

**Type:** Networking

**Sponsor Group(s):**

**Primary Organizer:** American Association of Geographers,

**Primary Session Chair(s):**

**Date:** 4/19/2024 **Time:** 7:00 PM - 9:00 PM **Room:** Tapa Ballroom 3, Tapa Tower, 2nd Floor, Hilton Hawaiian Village

### **Presentations (if applicable) and Session Agenda:**

## Sustainability and Informal Urbanization: Opportunities to Transform Urban Equity

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Regional Development and Planning Specialty Group

**Primary Organizer:** Bertha Hernández, ENES Merida National Autonomous University of Mexico

**Primary Session Chair(s):** Beth Tellman *University of Arizona*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### **Presentations (if applicable) and Session Agenda:**

Bertha Hernandez Aguilar, *Universidad Nacional Autonoma De Mexico*

Nature-based solutions as an opportunity to transform urban equity: the case of Merida, Yucatán

Beth Tellman	Challenging flood injustice in informal urban colonias in the Rio Grande Valley Texas with FLUJOS - Flood Justice Utilizing Satellite Observation
Kimberly Noronha, <i>University of Pennsylvania</i>	Landscape of boundaries and control in Ga-Mashie, Accra Ghana
Thelma Akyea	Urban inclusion and exclusion in Accra, Ghana: Planner's Perspective.
Fabricio Martins Silva	Negotiating Urban Informality in Manaus, Brazil: Local Priorities and International Funding in Slum Upgrading Policies

## GeoAI and Deep Learning Symposium: GeoAI for Disaster Resilience

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Bing Zhou, Texas A&M University

**Primary Session Chair(s):** Bing Zhou *Texas A&M University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jeasurk Yang	Automatic Assessment of Climate Risk Using Satellite Imagery: A Case Study on Coastal Risk in Jakarta
Aron Boettcher	Community Wildfire Risk Factors - A network approach
Md Tousif Tanzir	Image Matching Using GeoAI for Flood Monitoring

## F5\_1: Mākua: Sacred Site and Military Base

**Type:** Field Visit

**Sponsor Group(s):** China Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Laurel Mei-Singh, UT Austin, Department of Geography and Environment  
**Primary Session Chair(s):**  
**Date:** 4/20/2024 **Time:** 7:30 AM - 1:30 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

**The 2024 US Elections**

**Type:** Panel

**Sponsor Group(s):** Political Geography Specialty Group

**Primary Organizer:** John Heppen, University of Wisconsin River Falls

**Primary Session Chair(s):** John Heppen *University of Wisconsin River Falls*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panel Discussion

**Non-Presenting Participants**

Role	Participant
Introduction	John Heppen <i>University of Wisconsin River Falls</i>
Panelist	Robert Watrel <i>South Dakota State University</i>
Panelist	Ryan Weichelt <i>University of Wisconsin River Falls</i>
Panelist	John Wertman <i>ESRI</i>

**Urban geographies of erasure: Book forum on Hudani's Master Plans and Minor Acts.**

**Type:** Virtual Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Shakirah Hudani, University of North Carolina, Chapel Hill

**Primary Session Chair(s):** Lana Salman *Ghent University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 1

**Presentations (if applicable) and Session Agenda:**

Panel Discussion

**Non-Presenting Participants**

Role	Participant
Panelist	Sharad Chari <i>University of California, Berkeley</i>
Panelist	Erin Colins <i>Dartmouth College</i>
Panelist	Bridget Martin <i>University of Mississippi</i>
Panelist	Lana Salman <i>Ghent University</i>
Panelist	Shakirah Hudani <i>University of North Carolina, Chapel Hill</i>
Panelist	Claudia Gastrow <i>North Carolina State University</i>

**Actionable Science of Global Environment Change I**

**Type:** Paper

**Sponsor Group(s):** Applied Geography Specialty Group, Climate Specialty Group, Cryosphere Specialty Group

**Primary Organizer:** Ziheng Sun, George Mason University

**Primary Session Chair(s):** Ziheng Sun *George Mason University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317Bhs (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Luke Juran, <i>Virginia Tech</i>	Deploying silver ionization to disinfect drinking water at schools in India
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Jennifer Whytlaw, <i>Old Dominion University</i>	Equity in Coastal Resilience: A blueprint for university engagement in community-based projects
Mark Schwartz, <i>University Of Wisconsin-Milwaukee</i>	Applications of New Continental-Scale Spring Phenology Models
Dan Pisut	Building a Climate Resilience Information System for the Nation
Ziheng Sun, <i>George Mason University</i>	Using AI to Generate Actionable Insights on Seasonal Snow and Water Management

## Geography of Mobility Transition I: Policy Transition

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group, Transportation Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Yuko Aoyama, Clark University

**Primary Session Chair(s):** Yuko Aoyama *Clark University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kevin Keenan, <i>Rowan University</i>	Understanding the role of the policy advocacy elite in bureaucratic realms and policy diffusion: Insights from vehicle electrification initiatives in New Jersey (USA)
Piergiuseppe Morone	After the Storm: Environmental tragedy and sustainable mobility
Mahtot Gebresselassie	The technology and regulatory gap in mobility transitions
Carsten Moeller, <i>University of Bayreuth, Chair of Political Geography</i>	Bridging troubled waters: How motorcycle taxis navigate the politics of informal public transport in Uganda.

## Monitoring and Characterization of Land Change Using Satellite Time Series

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Zhe Zhu, University of Connecticut

**Primary Session Chair(s):** Zhe Zhu *University of Connecticut*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Franz Schug	Changes vs. trends of the global human footprint from 2001 to 2020
Chengbin Deng, <i>The University of Oklahoma</i>	Evaluating the impacts of different satellite datasets and detection algorithms on spatiotemporal dynamics of shale gas
Zhe Zhu, <i>University of Connecticut</i>	"Connecting the dots" in land change research
Xiucheng Yang	Extreme weather events accelerated tidal wetland loss in the United States
Shi Qiu, <i>University of Connecticut</i>	Comparison of machine learning models for mapping medium-resolution land cover and land change

## Advancing Primary Geography Education: Foundations for Tomorrow

**Type:** Paper

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Petra Breitenmoser, University of Zurich

**Primary Session Chair(s):** Inga Gryl *University of Duisburg-Essen*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Introduction
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Daniela Schmeinck	And what do we do now? - Educational opportunities and needs for geography in primary school in the light of current developments
Jana Vojteková	Preferences of geography teachers: classroom vs. field teaching
Koji Ohnishi	Children's Outdoor Environment During Walking To And From School In Japan: A Case Study On Toyama City
Randy Bertolas, <i>Gamma Theta Upsilon</i>	Joys and agonies of creating and revising a state student atlas
Discussion and Networking	

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Advances in multitemporal remote sensing for terrestrial ecosystems 1

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Zijun Yang, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Chunyuan Diao *University of Illinois at Urbana-Champaign*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Chang Zhao, <i>NORC at the University of Chicago</i>	Geospatial Artificial Intelligence Detects Invasive Cactus Species across Large Heterogeneous Landscape of Laikipia, Kenya using Sentinel-2 Satellite Imagery
Wenxin Yang	Monitoring aboveground and belowground biomass carbon density dynamics in the Dangermond Preserve
Chunyuan Diao, <i>University of Illinois at Urbana-Champaign</i>	Monitoring diverse crop phenological stages using satellite time series

XU ZHANG	Hydroclimatic drivers and simulations of terrestrial water storage using GRACE products
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## Migrations and Violence in Latin America

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Matias Garreton, Universidad Tecnologica Metropolitana del Estado de Chile

**Primary Session Chair(s):** Matias Garreton *Universidad Tecnologica Metropolitana del Estado de Chile*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Matias Garreton	Criminal Economy Diversification in Chile, before and after the Covid-19 Pandemic.
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## From Grassroots to Green Futures: Overcoming Gaps in Climate Change Responses

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Genesis Leong, Department of Urban and Regional Planning and Center on Disability Studies, University of Hawai'i at Mānoa

**Primary Session Chair(s):** Candler Weinberg *Department of Urban and Regional Planning, University of Hawai'i at Mānoa*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sandy Jiyeon Kim, <i>University of Hawaii at Manoa</i>	Climate Change Adaptation in the Rural Coastal Region of Bangladesh: Lessons Learned from the community
Jolie Wanger, <i>University of Hawaii, Mānoa</i>	Mālama 'Āina Plan for Moku o Lo'e Islet: A Case Study of indigenous-informed adaptation planning

Candler Weinberg	Assessing Fire Risk in the Hawaiian Islands: A Satellite Imagery Analysis of Leeward Sides
Genesis Leong	Cultural Humility: Hawai'i Disability-Inclusive Planning within the FEMA Disaster Recovery Framework
milly Grant-Mackie	Disappearing coastlines: The impact of Sea Level Rise for a coastal Marae in the Far North.

## Reflexive urban models

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Chaewon Ahn, National University of Singapore

**Primary Session Chair(s):** Chaewon Ahn *National University of Singapore*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Chaewon Ahn	Decoding the Black Box: Ethical Frameworks for Urban Digital Twin Models
Matjaz Ursic UL FDV	The questionability of holistic smart city design - Elaborating the integration of social dimensions within the smart city concept
Sebastian Rubiano-Galvis	Algorithmic environmental injustice, predictive policing, and datafied minescapes in Colombia
Guillermo Douglass-Jaimes	The Sustainable Favela Network Mapping hybridities of people, places, and projects to develop a model of sustainability from the margin
Leanne Sulewski	Mitigating Bias in Violent Event Datasets for Spatial Analysis: Options and Implications

### Non-Presenting Participants

Role	Participant
Discussant	Thomas Sanchez <i>Texas A&amp;M University</i>

## Extended Urbanization 1: Towards New Vocabularies of Urbanization

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Christian Schmid,

**Primary Session Chair(s):** Lindsay Howe *University Liechtenstein*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Christian Schmid	Urbanization Processes: An Epistemological Reorientation
Lara Belkind	Impasse to Improvisation in Grand Paris
Rodrigo Castriota	Extended Urbanization and the City as Perspective: For an Expanded Concept of Cityism
Discussant: James Sidaway	
Panel Discussion	
Discussion	

### Non-Presenting Participants

Role	Participant
Panelist	James Sidaway

## Geographies of water sharing

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Jessica Budds, University of Bonn

**Primary Session Chair(s):** Kathleen O'Reilly *Texas A&M University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 309, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jessica Budds	Transforming hydrosocial relations: Water sharing as a means of countering enclosure in Chile
Chyna Dixon	Water Sharing, Relational Resilience, and the Hydrosocial Territory of Northern New Mexico
Amber Wutich, <i>Arizona State University</i>	Entitlement, Entitlement Failure, or Resistance? Water Sharing in 64 Colonias on the U.S.-Mexico Border
Mohammad Jobayer Hossain	Moral economies and water sharing in a climate change hotspot: The case of extreme water insecurity in coastal Bangladesh

## Symposium on Geospatial Approaches to Pressing Grand Challenges: Global Pandemics, Climate Change, and Food Security - Acceptance and Hesitancy in Vaccine Uptake from Geospatial Perspectives

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Yuxia Huang, Texas A&M University - Corpus Christi

**Primary Session Chair(s):** Yuxia Huang *Texas A&M University - Corpus Christi*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Ziba Abbasian	The Impact of Built Environment on COVID-19 Vaccination Uptake
Wencong Cui	Exploring the Spatial Relationship Between Severe Depression, COVID-19 Cases, and Vaccination Rates in US Counties: A Longitudinal Analysis
Hossein Naderi	Impact of Demographic and Spatial Factors on the Timely Receipt of COVID-19 Booster Shots in Nueces County, Texas
Hyun Kim, <i>University of Tennessee</i>	Disparity of healthcare services in South Korea: A longitudinal study, 1995-2021

## The Planning and Architrucual Thought of Walter Benjamin

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Rashad Shabazz, Arizona State University

**Primary Session Chair(s):** Rashad Shabazz *Arizona State University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Nicole Mayberry <i>Arizona State University</i>
Panelist	Rashad Shabazz <i>Arizona State University</i>

## (1) The Colorblindness of Landscape Planning: Greening or Whitening?

**Type:** Paper

**Sponsor Group(s):** Landscape Specialty Group

**Primary Organizer:** Pol Fite Matamoros, University of California, Berkeley

**Primary Session Chair(s):** Pol Fite Matamoros *University of California, Berkeley*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Emilia Oscilowicz, <i>University of Colorado - Denver and Universitat Autònoma de Barcelona</i>	Community perceptions of racial inequity in urban green infrastructure and green gentrification: Challenging compounded environmental racisms in the green city
Anna Bierbrauer, <i>University of Colorado - Denver</i>	Idealized Aridity: Normative Methods and Messages in Environmental Design and Planning's Past and Present
Rea Zaimi, <i>Georgia State University</i>	Problematizing Land Stewardship: Large Lots and the Devolution of Land Care Labor on Chicago's South Side
Eliza Breder	The Drainage Archive: A Methodological Approach to Reparative Planning in the Colonial Drainage Project

**Non-Presenting Participants**

Role	Participant
Discussant	Pol Fite Matamoros <i>University of California, Berkeley</i>
Discussant	Anna Livia Brand <i>University of California, Berkeley</i>

**Knowledge Co-production in Practice I: Theoretical Reflections**

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Noella Gray, University of Guelph

**Primary Session Chair(s):** Noella Gray *University of Guelph*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Chaya Vaddhanaphuti	Data Democratization?: The Political Ecology of App-Mediated AQI-Hotspot Knowledge in Northern Thailand
Nicolas Bergmann, <i>Montana State University</i>	An Experimental Political Ecology Approach to Herbicide Resistance Management in the Pacific Northwest, USA
Thomas Smucker	Possibilities for Critical Knowledge Co-Production in US Study Abroad to African Countries

### Non-Presenting Participants

Role	Participant
Discussant	Catherine Corson <i>Mount Holyoke College</i>

## Contemporary Tourism Geographies 6: Borders, Landscapes and Routes

**Type:** Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University, Australia

**Primary Session Chair(s):** Jennie Germann Molz *College of the Holy Cross*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 318B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Dallen Timothy	Tourism and Dynamic Borders: Perspectives on Debordering and Rebordering
Craig Revels	Placing Tourism Landscapes in Trujillo, Honduras
Ethan Yorgason	The Pervasiveness of Geopolitics in Tourism: The Case of Daegu, South Korea

## HRDSG Resilience and Adaptation I

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Florence Muhanguzi Kyoheirwe *Makerere University*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Paula Villagra	A decision support system with a dynamic resilience model to support the decision-making process for community resilience to tsunami in Chile
Florence Muhanguzi Kyoheirwe	Interrogating the gender dimensions of weather advisory services as a pathway for climate change adaptation among smallholder farmers in Uganda
Sarah J. Halvorson, <i>University of Montana</i>	Mountain farming and resilience in Pemagatshel, Eastern Bhutan: Towards “climate-smart” knowledge co-production in practice
Alexei Trundle	Revisiting Panarchy – Configurations and Spatialities of Urban Climate Resilience in the Blue Pacific

## Hazards, Risks, and Disasters3 (Virtual): Vulnerability and Resilience

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Tess Doeffinger *University of Alabama*

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

Tess Doeffinger	An Approach to Evaluate Historical Adaptation Pathways
Youngjae Kim	Application of grid-based landscape metrics approach for coastal dune vegetation and wrack pattern analysis

Caitlin Joseph, <i>Temple University</i>	My Body, The Planet: on the utility of relational geographies of disability within the climate discourse
Chiodinaka Ekeanyanwu	Spatial Disparity in Flood Exposure and Social Vulnerability: A Study of the Health Impacts
Gideon Tandoh	Assessment of Land Surface Temperature Trends in Greater Accra, Region Ghana and Their Implications on Public Health

## Indigenous Peoples, Arts, and Geography: Reconsidering Forms of Collaboration and its Perspectives

**Type:** Panel

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Eurasian Specialty Group, Indigenous Peoples Specialty Group

**Primary Organizer:** Tatiana Degai,

**Primary Session Chair(s):** Vera Kuklina

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Introduction: Vera Kuklina

Elder's perspective: Mary Young-Bear

Indigenous artist's perspective: Sara Young-Bear

Indigenous knowledge holder's perspective: Aleksandr Mokryi

Indigenous curator's perspective: Timur Zolotoev & Ariuna Bolotova

Indigenous scholar's perspective: Tatiana Degai

General discussion

### Non-Presenting Participants

Role	Participant
Panelist	Ariuna Bulutova
Panelist	Mary Young-Bear
Panelist	Sara Young-Bear
Panelist	Aleksandr Mokryi
Panelist	Timur Zolotoev
Introduction	Vera Kuklina

## Urban Space in China

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Peiheng Yu

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

YUMING CUI	Navigating the Skyline: The Political Economy of Urban Space Transformation via the Drone Industry in China's Greater Bay Area
TAN GUIWEN	Co-Constituting Modernity with the Deceased: Dynamics of Interaction Between Chinese State and Clan Institutions

Tongjing Wang	Intercity networks and urban performance: a geographical text mining approach
Peiheng YU	Open space fragmentation in Hong Kong's built-up area based on spatial horizontal and vertical equity lenses

## Analysis of Commuting Efficiency

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Zifeng Chen

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Feiyang Zhang	Examining the resilience of bike-share usage during heatwave: A case study of Shenzhen
YONG-HONG LIN	Bikeway Network Design Model Considering Trajectory Data of Public Bike System
Yifei Sun	Quantifying the Potential of Underwater Robots in Cyanobacteria Removal
Zifeng Chen	Revisiting Modifiable Areal Unit Problem in Commuting Analyses: A Comparison of Large and Small Cities Using Cellphone Data

## Of Cowboys and Crimes

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Mikael Thelin

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 301A, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Melisa Arganaraz, <i>University of Maryland - Baltimore County</i>	Undocumented child work: tensions, barriers, and resistance
Kevin Raleigh	Now What's the Matter with Kansas? A Spatial Analysis of the 2022 Kansas Abortion Vote
John Ponstingel	Social Institutions as Agents of Electoral Equity: How Ethnically-Targeted Get Out The Vote Efforts in Texas Might be Contributing to Higher Latinx Turnout
Mikael Thelin	Hatred and threats against local politicians and the role of municipality size

**GIS and Environmental Processes**

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Dursun Zafer Seker

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Weihong Wang	Phosphorus Sources to Utah Lake and Their Impact on Harmful Algal Blooms
Karen Dixon	A GIS Analysis of Potential Wildlife Crossings in South-Central Pennsylvania
Donald Sullivan	Patterns of plastics and other anthropogenic detritus accumulating on beaches on the west coast of North America
Dursun Zafer Seker	INVESTIGATION OF THE RELATIONSHIP BETWEEN EARTHQUAKES AND ATMOSPHERIC PARAMETERS

## Commons and Capitalism

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Helena Rong

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Hannes Gerhardt	The problem of scale in visions of a commons-based transition out of capitalism
Jonah Olsen	Resilient Commoning: The Reproduction of the Basque Commons in the Longue Durée
Timur Hammond, <i>Syracuse University</i>	Sericultural Geographies: Worms, Trees, and Globalization in the 19th Century
Helena Rong	From Community Currency to Crypto City Tokens
Tianshu Zhang	Multi-scalar Government Connections and Regional Path Creation and Transformation in China

## Geographies of Care

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Om Dahal

**Date:** 4/20/2024 **Time:** 7:20 AM - 8:40 AM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Elia Axinia Machado, <i>Lehman College, CUNY</i>	Do social protection programs reduce conflict risk? Evidence from a public works program in rural Ethiopia
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Hannah Brais	Towards a Trauma-Informed Spaces of Care Model: the case of homeless substance users
Halie Kampman, <i>University of California, Santa Cruz</i>	Opioid misuse in Appalachia: political ecologies of care
Om Dahal, <i>U.S. Bureau of the Census</i>	Geo-Enabling International Subnational Data for Humanitarian Applications: Methods and Case Study

## F5\_2: Mala 'Ai 'Ōpio: Growing food, cultivating youth, and sustaining community at MA'O Organic Farms

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Matt Lau,

**Primary Session Chair(s):**

**Date:** 4/20/2024 **Time:** 8:00 AM - 2:30 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

## (2) The Colorblindness of Landscape Planning: Greening or Whitening?

**Type:** Paper

**Sponsor Group(s):** Landscape Specialty Group

**Primary Organizer:** Pol Fité Matamoros, University of California, Berkeley

**Primary Session Chair(s):** Pol Fite Matamoros *University of California, Berkeley*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Derek Hyra	Roots of the Revolts: Chronic Displacement Trauma in Ferguson, Baltimore, and Beyond
Katherine Hankins, <i>Georgia State University</i>	The whiteness of greening Atlanta

Jocelyn Poe	L.A. Geographies of Black Beauty and Femininity
Anna Brand, <i>University of California, Berkeley</i>	The Grounded and Intricate Infrastructures of Race in New Orleans

### Non-Presenting Participants

Role	Participant
Discussant	Pol Fite Matamoros <i>University of California, Berkeley</i>
Discussant	Anna Livia Brand <i>University of California, Berkeley</i>

## The Geography of Mobility Transition II: Industrial Transition

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group, Transportation Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Yuko Aoyama, Clark University

**Primary Session Chair(s):** Yuko Aoyama *Clark University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yuko Aoyama	How Electric and Autonomous Vehicle Technologies are Transforming the Automobile Industry: A comparative analysis of supplier networks of Ford, Toyota, Tesla and BYD
Tingchien Chen	The global production network of the electric vehicle industry: Case studies of Taiwan, Japan and Germany's automotive semiconductor industry
Jingxian Li	Industrial Reconfiguration under Geopolitical Tensions: Evidence from the Offshoring of China's Lithium-ion Battery Production Networks to Europe
Hanbit Chang	Working "on" Light Electric Freight Vehicles: Transition towards socially sustainable last-mile logistics

Possapon Charoenporn	From Deindustrialization to Reindustrialization: Political Economy of mobility transition in Thai Automotive Industry
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## The Production of Space at 50: Demarcations

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Key MacFarlane, University of California, Santa Cruz

**Primary Session Chair(s):** Key MacFarlane *University of California, Santa Cruz*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

George García-Quesada	Lefebvre's Theory of Social Space at the Margins
Riki Scanlan	The Limits to Lefebvre: rethinking the production of settler space
Dhivya Janarthanan	Abstract Space and a South Indian Village's Bid to Centrality in an Historical Agrarian Micro-Region
Francesco Biagi	Space and Ecology: Revisiting Lefebvre's Dialectical Materialism
Eric Sheppard, Discussant	

### Non-Presenting Participants

Role	Participant
Discussant	Eric Sheppard <i>University of California, Los Angeles</i>

## Mobilizing Arts and Science for Supporting Indigenous Knowledge as Infrastructure

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Eurasian Specialty Group, Indigenous Peoples Specialty Group, Polar Geography Specialty Group

**Primary Organizer:** Vera Kuklina,

**Primary Session Chair(s):** Deondre Smiles

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 314 (Lānaʻi), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Vera Kuklina	Re-creating connections with water: Buryat way
Andres F Ramirez	AWERA, Arts-based Methods for Indigenous Urbanism
Koral Wysocki	Bringing vitality to institutions: An Indigenous-led training program for higher education professionals and students
Cassidy Renee Schoenfelder will discuss presentations from a scholarly perspective	
Timur Zolotoev, curator, will discuss presentations from artistic perspective	

## Contemporary Thoughts on Cities, Urbanization, and Planning in South and Southeast Asia

**Type:** Panel

**Sponsor Group(s):** Asian Geography Specialty Group, Regional Development and Planning Specialty Group

**Primary Organizer:** George Pomeroy, Shippensburg University

**Primary Session Chair(s):** Chandana Mitra *Auburn University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Panel Discussion
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## Non-Presenting Participants

Role	Participant
Panelist	Debnath Mookherjee <i>Western Washington University</i>
Panelist	Rajiv Thakur <i>Missouri State University</i>
Panelist	George Pomeroy <i>Shippensburg University</i>
Panelist	Stan Brunn <i>University of Kentucky</i>
Panelist	Anders Kirstein Moeller <i>National University of Singapore</i>
Panelist	Rini Rachmawati <i>Universitas Gadjah Mada</i>

## Transforming geographies by introducing geographies: the experience of editing and writing for the 4th edition of *Introducing Human Geographies* (2024)

**Type:** Panel

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Kelly Dombroski, Massey University

**Primary Session Chair(s):** Kelly Dombroski *Massey University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Introduction	Kelly Dombroski Junxi Qian <i>Massey University</i>
Panelist	Pasang Sherpa <i>University of British Columbia</i>

Panelist	Soren Larsen <i>University of Missouri</i>
Panelist	Sarah Wright <i>University of Newcastle, Australia</i>
Panelist	Luke Drake <i>California State University Northridge</i>
Panelist	Franz Berhardt <i>Aalborg University</i>
Panelist	Canny (Chen) Liu <i>Sun Yat-Sen University</i>
Panelist	Ben Derudder <i>KU Leuven</i>
Panelist	David Conradson <i>University of Canterbury</i>
Discussant	Rebecca Lave <i>Indiana University</i>

## GeoAI and Deep Learning Symposium: GeoAI for Ecosystem Conservation and Sustainable Geodesign

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Orhun Aydin, Saint Louis University

**Primary Session Chair(s):** Orhun Aydin *Saint Louis University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Carolyn Qiang	Innovating Urban Ecosystem Mapping: Leveraging High-Resolution Satellite Imagery and Advanced Learning Technologies for LULC Classification
Naman Casas	A Comparison of Pixel-Based, Object-Based, Deep Learning, and Data Fusion Image Classification Approaches in Delineating Urban Tree Canopy in Unincorporated Los Angeles

Zhanchao Yang	Accessibility or Environmental Conservation? Evaluating the relationship between Environmental Protection and Hiking Trails Accessibility via LiDAR & Remote Sensing
Claire Simpson	Spatio-Temporal Forecasting of Post-Fire Vegetation Recovery using ConvLSTM Networks
John Gallo	The Earthwise Framework and its approach to accounting for working lands in GeoDesign

### Critical climate scholarship: State of the field

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Lauren Gifford, Colorado State University

**Primary Session Chair(s):**

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Danielle Rivera	"Description is Not Liberation": How We Tell "Lies" With Social Vulnerability Maps
Pronoy Rai	The Labour Geographies of Climate Adaptation and Climate Justice in Rural Western India
Emily Hite	Navigating Waters: A critical ethnography of rivers
Lauren Gifford	Sustainability capitalism through crypto-carbon finance: a critical analysis
Kate Cullen	Climate change and differential water access in Santiago, Chile: a critical approach to attribution

## The Political Economy of Migration Governance: Extraction, Logistification and Racial Capitalism 1

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Danai Avgeri, University of Cambridge

**Primary Session Chair(s):** Julia Morris *University of North Carolina Willmington*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 319A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Ali Bhagat	Governing the Displaced: Race, and Ambivalence in Global Capitalism
Danai Avgeri	Provincializing racial capitalism: The refugee humanitarian-development fix and the social reproduction of relative surplus populations in austerity Europe
Martina Tazzioli	Wrecking migrants lives and lifetime. The production and the political economy of injured subjectivities
Lorenzo Vianelli	Extractive Warehousing: Carceral Economies of Containment in the Greek Islands

## The Racial Politics of Environmentalism

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Sébastien Roux, IRL Iglobes CNRS/ University of Arizona

**Primary Session Chair(s):** Anne-Lise Boyer *ENS de LYON*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Anne-Lise Boyer	Who Loves the Land? Unpacking the Paradox of Environmental Stewardship in the U.S.-Mexico Borderlands
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Juanita Sundberg	Echoes of Eugenics in twenty-first century discourses of environmental protection in the U.S. southern borderlands
Tenzin Yangkey	Against invisibilization by nation-state hegemony: situating stateless Tibetan refugee pastoralists in the climate change discourse and governance
Skye Niles	Carceral frontiers
Sebastien Roux	Invasions. Valuing Lives of Humans and Non-Humans in the Borderlands

### Non-Presenting Participants

Role	Participant
Introduction	Anne-Lise Boyer <i>ENS de LYON</i>
Introduction	Sébastien Roux <i>IRL Iglobes CNRS/ University of Arizona</i>
Discussant	Reece Jones <i>University of Hawai'i at Manoa</i>

## Food Policy and Food Politics 1

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Katherine Nelson,

**Primary Session Chair(s):**

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Hannah Stokes-Ramos, <i>University At Buffalo</i>	Rethinking Polanyi's double movement through participatory justice: Land use planning in Puerto Rico
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Sarah Kakadellis, <i>University of California, Davis</i>	No taste for (food) waste: can US state policies meet federal food loss and waste reduction goals?
Nicholas Robinson	Organic Vegetable Production in Iceland
Sydney Clements, <i>University of Connecticut</i>	Distributing Food and Power: The Role of Community Voice in Sustainable Food Hub Development

## Monitoring and Characterization of Land Change Using Satellite Time Series II

**Type:** Paper

**Sponsor Group(s):** Remote Sensing Specialty Group

**Primary Organizer:** Zhe Zhu, University of Connecticut

**Primary Session Chair(s):** Zhe Zhu *University of Connecticut*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Chutong Chao	Assessing Afforestation Effects on Bird Communities in Yunnan: An Integration of Remote Sensing and Species Distribution Models
Taejin Park	Continuous mapping of national forest aboveground biomass in Mexico by integrating GEDI and Landsat times series data
Ji Won Suh, <i>University of Connecticut</i>	Mapping primary forest loss in Caribbean Region
Ibrahim Abatcha Umar	The Effect of Boko Haram Insurgency on Urban Land Use Growth in Maiduguri Metropolitan Area, Northeast Nigeria
Filip de Braga	Quantifying Agricultural Land Loss in Ontario, Canada from 1984-2022

## Climate adaptation in natural resource systems 1

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Applied Geography Specialty Group, Climate Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Arielle Levine, San Diego State University

**Primary Session Chair(s):** Arielle Levine *San Diego State University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Asikunnaby Asikunnaby	Impacts of Heat Waves on Farmworkers' Health and Agricultural Production in Bangladesh
Abdul-Salam Jahanfo Abdulai	Towards a livelihood-interdependence approach to framing adaptation in research and practice: Evidence from farmers' and herders' relations in Northern Ghana
Judith Bross	Assessing the Biophysical and Socioeconomic Adaptive Capacities of Agroforestry for Extreme Weather in San Diego County
Natalie Bennett	Assessing US National Park Service Manager Perceptions and Use of Climate Change Information

### Non-Presenting Participants

Role	Participant
Discussant	Amy Quandt <i>San Diego State University</i>

## AAG 2024 Symposium on Geospatial Data Science for Sustainability: Advances in multitemporal remote sensing for terrestrial ecosystems 2

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Zijun Yang, University of Illinois at Urbana-Champaign

**Primary Session Chair(s):** Chunyuan Diao *University of Illinois at Urbana-Champaign*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Thomas Dowling	A fast implementation of the temperature-vegetation index drought detection principle
Yilun Zhao, <i>University of Illinois at Urbana-Champaign</i>	Detecting Large-scale Invasive Saltcedar Defoliation Timing of Colorado River in Arizona Using Dense Landsat Time Series
Matthew Noonan	Investigating Ecological Rehabilitation Using UAV Imagery
Khuong Tran	A benchmark dataset of land surface phenology from a fusion of Harmonized Landsat and Sentinel-2 observations with PhenoCam time series
Yinan He	Merging multi sensor time series remote sensing and machine learning empowers forest biomass estimation

**Extended Urbanization 2: Urbanization and State Space****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Nitin Bathla, ETH Zürich**Primary Session Chair(s):** Christian Schmid *ETH Zürich***Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)**Presentations (if applicable) and Session Agenda:**

Kit Ping Wong	The Relationship between the Territory and the State: Cross-border Urbanization in Hong Kong, Shenzhen and Dongguan
Yiqiu Liu	Beijing's Winter Olympics 2022 and Corridor Urbanization: Assessing Extended Development Versus Peripheralization
Nitin Bathla	Infrastructure State and Authoritarian Urbanism: Extended Urbanization in India

Carola Hein	Oil Spaces: Extended Urbanization from Sea to Land
Discussant: Nancy Couling	
Discussion	

#### Non-Presenting Participants

Role	Participant
Discussant	Nancy Couling

### Geography, Vulnerability, Crises, and Adaptation in Hawai'i

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Lisa Webster, University of Hawai'i at Mānoa, National Disaster Preparedness Training Center

**Primary Session Chair(s):** Lisa Webster *University of Hawai'i at Mānoa, National Disaster Preparedness Training Center*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

David Marasco, <i>University of Hawaii at Manoa / NDPTC</i>	Participatory Disaster Recovery in Tohoku and Lahaina
Amy Kitchener	Timing of Recovery of Critical Infrastructure in Lower Puna from the 2018 Eruption at Kīlauea
Farnaz Kaviari	Modeling the Spread of COVID-19 Using Agent-Based Modeling
Cuong Tran	The Development of an Asset-Based Framework for Resilience Hub Planning in Hawai'i

Lisa Webster, <i>University of Hawai'i at Mānoa</i>	Something in the Water: The Red Hill Disaster
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### Non-Presenting Participants

Role	Participant
Discussant	Karl Kim <i>University of Hawai'i at Mānoa, National Disaster Preparedness Training Center</i>

## Actionable Science of Global Environment Change II

**Type:** Paper

**Sponsor Group(s):** AAG Climate Action Task Force, Applied Geography Specialty Group, Climate Specialty Group, Cryosphere Specialty Group

**Primary Organizer:** Ziheng Sun, George Mason University

**Primary Session Chair(s):** Ziheng Sun *George Mason University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 317B (Kaho'olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

John Harrington, Jr., <i>Kansas State University</i>	Sense of Climate
L. Delta Merner, <i>Union of Concerned Scientists</i>	Comparative analysis of legal mechanisms to net-zero: Lessons from Germany, the United States, Brazil, and China
Ian Strachan	The Return of Peatland Carbon Exchange Function - a Measure of Restoration Success
Anna Badia	Change of fire behavior in north of Iberian Peninsula: is there any evidence?
Narcisa Pricope, <i>University of North Carolina Wilmington</i>	Integrating Remote Sensing and Community Engagement to Co-Develop Approaches to Green Infrastructure Implementation in Coastal Environmental Justice Communities

## Towards Energy Resilience

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Energy and Environment Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Bandana Kar, AAAS STP Fellow @ U.S. Dept. of Energy

**Primary Session Chair(s):** Bandana Kar *AAAS STP Fellow @ U.S. Dept. of Energy*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Karly Burch, <i>University of Otago</i>	Critical nuclear mapping: Tracing the nuclear imperial origins of dominant nuclear safety standards
Gyudae G.D. Kim	Fukushima Wastewater Release: Political Discourses, Environmental Impacts, and Uncharted Health Consequences
Chao Fan, <i>New Mexico State University</i>	An application of GIS to estimating solar power potential
Jace Colby	Is Ownership of or Proximity to Residential Solar Installations Associated with Environmental Opinions and Civic Engagement?

## A changing Geography: The past, present, future of western water

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Thomas Minckley, University of Wyoming

**Primary Session Chair(s):** Thomas Minckley *University of Wyoming*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Thomas Minckley	Reflection on the role of environmental change on western water management
Jacqueline Shinker	Drought and intra-seasonal climate variability in the Western U.S.

## Knowledge Co-production in Practice II: Reflections on Experience

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group

**Primary Organizer:** Noella Gray, University of Guelph

**Primary Session Chair(s):** Rebecca Gruby *University of Miami*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Elizabeth Shapiro-Garza, <i>Duke University</i>	Making Environmental Injustice Legible: Knowledge Co-Production and Action on the Health Impacts of Subsistence Fish Consumption in the Southeastern United States
Noella Gray, <i>University of Guelph</i>	Global knowledge co-production to inform management of large-scale marine protected areas
Macy Mekilt Nagata	Five practices for ethical community-based survey co-development in conservation social science
Laurie Richmond	Lessons from establishing a University, Tribal, and Community partnership for sea-level rise research and planning: Navigating relationships and transformation

### Non-Presenting Participants

Role	Participant
Discussant	Robin Roth <i>University of Guelph</i>

## Hazards, Risks, and Disasters 4(Virtual): Resilience and Adaption to a Changing Climate

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Alisa L Hass *Middle Tennessee State University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 4

**Presentations (if applicable) and Session Agenda:**

Alisa Hass, <i>Middle Tennessee State University</i>	Experiential learning in the community: Engaging teens to increase community extreme heat resilience
Mary Strickland	Barriers to and Opportunities for Conservation-oriented Adaptation in Rhode Island
Abdul-Salam Ibrahim	Resilient City Planning: Land Custodians' Perceptions and Responses to the Impacts of Climate Change in Ghana
Lola Gulyamova, <i>Tashkent State Technical University</i>	The Social Consequences of Climate Change in Uzbekistan

## Geographies of Global China: Navigating New Paths in Global Interactions and Influences

**Type:** Paper

**Sponsor Group(s):** China Specialty Group

**Primary Organizer:** Ding Fei,

**Primary Session Chair(s):** Ding Fei

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Xinming Xia	The overlooked diversity of Chinese investments in Africa: an analysis of the China's investment project database
Wei Luo	Dual Effects of the US-China Trade War and COVID-19 on United States Imports: Transfer of China's industrial chain?
Davide Giacomo Zoppoloto	Countering the 'West': China's Path to Modernization in Pakistan
Elisa Tamburo	"If the city plans, someone will lose out": planning, uncontrolled development, and aspiration in Nairobi, Kenya

## HRDSG Resilience and Adaptation II

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Erin Friedman *City College, City University of New York*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Anthony Allen	Frontiers and Implications of Ecosystem Valuation and Community Resilience: A Case Study
Geoff Boeing	Resilient by Design: Simulating Street Network Disruptions across Every Urban Area in the World
Erin Friedman	Tracing the political geographies of climate resilient development in Miami-Dade County, Florida

## Critical, Creative, Technological, and Collaborative: Imagining Another Geography

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Clancy Wilmott, University of California, Berkeley

**Primary Session Chair(s):** Clancy Wilmott *University of California, Berkeley*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Clancy Wilmott, <i>University of California - Berkeley</i>	A space for experimental geographies: studio.geo?
Emma Fraser, <i>University of California, Berkeley</i>	Critical Digital Pedagogy Through Geo-Centred Studio Space

Maggie Camillos	Erosion Cartographies
Maria Pettis	Reconstructing a Black Sense of Place: Landscape and Spatial Media as Technologies of Memory
Jillian Crandall	Spatializing Cryptoeconomic Imaginaries
Sophia Perez - Island Time	

### Non-Presenting Participants

Role	Participant
Discussant	Sophia Perez <i>University of California, Berkeley</i>

## Regional Minorities, Territorial Autonomies and Sovereignty in Global Context.

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Shane Barter, Soka University

**Primary Session Chair(s):** Tao Hu *Oklahoma State University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Shane Barter	Territorial Autonomy in Autocracy: 'Sham' Self-Government
Reuel Hanks	Ethno-nationalism in Karakalpakstan: Is a Territorialized Identity Emergent?
André Lecours	Islands and Self-Determination in the Caribbean: Puerto Rico and Aruba in Comparative
Yan Sun	Does ethno-territorial autonomy matter? The Case of China's Ethnic Autonomy

### Non-Presenting Participants

Role	Participant
Panelist	Shane Barter <i>Soka University</i>
Panelist	Reuel Hanks <i>Oklahoma State University</i>
Panelist	Andre Lecours <i>University of Ottawa</i>
Panelist	Yan Sun <i>CUNY</i>

### Contemporary Tourism Geographies 7: Critical Tourism Contexts

**Type:** Virtual Paper

**Sponsor Group(s):** Recreation - Tourism - and Sport Specialty Group

**Primary Organizer:** Joseph Cheer, Western Sydney University

**Primary Session Chair(s):** Joseph Cheer *Western Sydney University*

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

Sharon Cobb, <i>University of North Florida</i>	Post-pandemic challenges for Tourism in far-flung places: The Case of Micronesia
Raechel Portelli	Space, Time, and Gaze: Picture Postcards and Rural Tourism
Sandra Ricart, <i>University of Alicante</i>	Probing the Hydrosocial Cycle of the water-tourism nexus to reinforce water governance and face climate change. A Mediterranean outlook
Mary Cawley	Sustainability in marine and coastal tourism through an integrated approach: evidence from Valentia Island, Ireland
Yiqun Gui	The impact of Japan's nuclear-contaminated water discharge on visit intention to coastal destinations

## Sustainability, Carbon Emissions, and Biodiversity

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Thomas Gillespie

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sophia Carodenuto, <i>University of Victoria</i>	Keeping up with the Sustainability Leaders: Foreign Corporate Accountability Legislation for Canada
Deqiang Ma	Climate change impacts on biodiversity in global terrestrial protected areas
Donald Reynolds	The Downturn of the Petroleum Boomtown: The Case of the Two Roxanas
Thomas Gillespie	Measuring and modeling biodiversity and public interest: A case study from Los Angeles County

## Capitalism, Production, and Labor

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sara Maxwell

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sébastien Rioux	Revisiting Retail Geography: Towards a Concept of Distribution Time
Joe Ament	Rethinking Capitalism and Fiscal Policy for a Degrowing Economy

Paul O'Keefe, <i>Rutgers University</i>	Geographies of labor organizing in academia: perspective from New Jersey
M Shafaat Nawaz	Temporal evolution in two bodies of knowledge: Industrial Clusters, and Global Value Chains

## Satellite Modeling

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Tao He

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Drew Decker	USGS 3D National Topography Model – considerations for the Pacific
Maurice McHugh	GOES-R Series Products: Present and Future
Shunlin Liang	The Global LAnd Surface Satellite (GLASS) product suite: The latest progress
Tao He	Hi-GLASS High-spatial resolution products of essential environmental variables

## Beyond Human Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Dennis Best

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Lily House-Peters, <i>California State University, Long Beach</i>	Unearthing the Microbial-Mineral Archive: More-than-Human Geographies of Iron Ore
Don Jonsson, <i>Austin Community College</i>	Black Bears in Big Bend National Park
Joe Boyle	Meadows, memories, and missing layers: transdisciplinary seagrass mapping towards restorative marine spatial planning
Korey Wetherell	Hylaeus in Hawai'i: A More-Than-Human Analysis of Extinction
Dennis Best	Internalizing Fire with Labor over Landscapes - Learning from a Manzanita Rising

**Economic Development & the Environment in China****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Program Committee,**Primary Session Chair(s):** Pingzhen Lu**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Xiaodong CHEN	City-level Green Growth Accounting: Constrains on Energy and Pollutants
xiaoxiao chen	Can low-carbon cooperation between cities reduce carbon emission levels? Research on the intergovernmental Agreement of Guangdong-Hong Kong-Macao Greater Bay Area
Yongling Li	China's Climate Risks and Carbon Footprint from the Perspective of Responsibility-Burden Mismatch: Spatiotemporal Distribution and Driving Factors Analysis
Pingzhen Lu	The impact of the opening of Gated communities on transportation and traffic carbon emission

## Coming from a Feminist Lens

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Mirella Pretell Gomero

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 9

### Presentations (if applicable) and Session Agenda:

Najmeh Heidarian	The Woman Life Freedom Social Movement in Iran: A Geospatial and Historical Analysis
María Durán González	Interlacing Testimonio y Territorio in La Comuna Ancestral Las Tunas.
Amrita V Nair	Women's Work and the Indian Platform Economy: A View from Bengaluru
Ibipo Johnston-Anumonwo, <i>SUNY Cortland</i>	Place, Knowledge, and Practicing Intersectional Sisterhood in Community Spaces
Mirella Pretell Gomero	Foregrounding Indigenous women's knowledge: a decolonial feminist approach to methodologies in the study of resource extraction

## Geography Education

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Michelle Brym

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** Virtual 10

### Presentations (if applicable) and Session Agenda:

Pin-Hsien Wang	The Intersection of Geography Education and STEM: Can Geography Also Achieve STEM?
Christabel Devadoss, <i>Middle Tennessee State University</i>	Teaching Palestine in Geography: Providing geopolitical contexts to current events
Douglas Munki	Using Land Acknowledgement Statements in Teaching the Geography of North America
Michelle Brym, <i>University of Central Oklahoma</i>	Support for Parents of Young Children in U.S. Higher Learning Institutions

### F5\_3: Chinatown Planning and History

**Type:** Field Visit

**Sponsor Group(s):**

**Primary Organizer:** Subhashni Raj,

**Primary Session Chair(s):**

**Date:** 4/20/2024 **Time:** 10:50 AM - 1:30 PM **Room:** Porte Cochere Bus Area, Hawaii Convention Center

**Presentations (if applicable) and Session Agenda:**

### Melinda S. Meade Distinguished Scholar Award Winner Reflections

**Type:** Panel

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Amber Pearson,

**Primary Session Chair(s):** Amber Pearson

**Date:** 4/20/2024 **Time:** 9:00 AM - 10:20 AM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

### (3) The Colorblindness of Landscape Planning: Greening or Whitening?

**Type:** Panel

**Sponsor Group(s):** Landscape Specialty Group

**Primary Organizer:** Pol Fite Matamoros, University of California, Berkeley

**Primary Session Chair(s):** Pol Fite Matamoros *University of California, Berkeley*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Panelist	Anna Livia Brand <i>University of California, Berkeley</i>
Panelist	Pol Fite Matamoros <i>University of California, Berkeley</i>
Panelist	Louise Mozingo <i>University of California, Berkeley</i>
Panelist	Danika Cooper <i>University of California, Berkeley</i>
Panelist	Kate Derickson <i>University of Minnesota</i>

### Housing crisis, informality and justice: from rental precarity to digital activism

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Nicole Gurran, The University of Sydney

**Primary Session Chair(s):** Nicole Gurran

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Nicole Gurran	Housing on Demand? The Role of Informal Rental Platforms in Cities and Regions
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Sarah Elwood, <i>University of Washington</i>	Stop the Sweeps: Insurgent digital mediations and a politics of staying put
Dallas Rogers	Social media as method: rental crisis, social media influencers, and tenant advocacy in Australia
Kyoko Tominaga	Housing, Working, and Networking with Neighborhoods: Constructing Autonomy and Reconstructing Community by Activists
Marianne Lahaie Luna	Exploring the relationships between housing and food for Latinx newcomers in Toronto

#### Non-Presenting Participants

Role	Participant
Discussant	Nicole Gurran <i>The University of Sydney</i>

### Geography of Mobility Transition III: Inclusive Transition

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group, Transportation Geography Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Yuko Aoyama, Clark University

**Primary Session Chair(s):** Yuko Aoyama *Clark University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

#### Presentations (if applicable) and Session Agenda:

Brandon Finn	Informal Decarbonization Supply Chains
Jeffrey Bielicki	Electrified Mobility Transition Pathways for Underserved Communities
Allen Xiao	Comparing Urban Mobilities in Platformizing Africa: An Exploratory Study of Ride-Hailing in Lagos and Addis Ababa

Fang Bian	Charting and unpacking the “black-boxed” gender neutrality of on-demand mobility platforms
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## Creative Writing as Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Justin Tse, Singapore Management University

**Primary Session Chair(s):** Justin Tse *Singapore Management University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 314 (Lāna‘i), Third Floor, Hawai‘i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Kaily Heitz	Locating a Sentido de Lugar: Community Writing as Geographic Method
Diana Fu, <i>San Francisco Estuary Partnership</i>	“Remembering Rain”: Creative Writing as a Tool for Decolonizing Geography
Sallie Yea, <i>La Trobe University</i>	“When Poverty Comes, Love Flies Out the Door”: Creative Literary Engagements with Migrant Worlds
LuLing Osofsky, <i>University of California -Santa Cruz</i>	Writing at the End of the World: Poetic Interventions in the Face of Climate Catastrophe
Justin Tse	Social Dreaming as Worldbuilding: Narrating Futures in Hong Kong and Ukrainian Civil Society

## Navigating Constellations of Power and the Complex Terrain of Authoritarian Regimes: Insights from Field Research (in Vietnam and Other Global South Contexts)

**Type:** Paper

**Sponsor Group(s):** Asian Geography Specialty Group, Development Geographies Specialty Group, Qualitative Research Specialty Group

**Primary Organizer:** Noelani Eidse, McGill University

**Primary Session Chair(s):** Noelani Eidse *McGill University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Susan Samardjian, <i>University of Toronto</i>	Navigating Individual and State Narratives of the Third Indochina War in Contemporary Sino-Vietnamese Societies
Noelani Eidse	Limitless city, or city of limits? Unravelling Hanoi's street politics through law enforcement official and street vendor stories
Melie Monnerat, <i>McGill University</i>	Cinnamon and Control: Navigating State Surveillance in the Vietnamese Uplands
Dan Liu	Stay or go? Analyzing the Influence of Urban Regeneration on Social Inequalities from a Lens of Migration: A Case Study of Beijing's Historical Neighborhoods

## Leveraging Open-Source Intelligence and Volunteered Geospatial Information for Crisis Impact Assessment

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Kelly Sims, Oak Ridge National Laboratory

**Primary Session Chair(s):** Gautam Thakur *Oak Ridge National Laboratory*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307B, Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Zhenghong Tang	Leveraging Near Real-time Satellite Data to Advancing Wetland Monitoring and Assessment in Nebraska
Caitlyn Linehan	Review of Pedestrian Crowdsourced Data: Strengths, Challenges, and Future Directions

Daniel Andersen	Atrocities from above: A remote sensing and epidemiological approach to documenting war crimes in Mariupol, Ukraine
Xianghui Zhang	Evaluating transport interventions in sustainable mobility: a framework based on mobile phone data
Tim Baird, <i>Virginia Tech</i>	Building Ecology: Integrating lidar and social data to examine how space becomes place in a shared indoor environment

## Examining Flood Injustice from Exposure to Recovery

**Type:** Paper

**Sponsor Group(s):** Cultural and Political Ecology Specialty Group, Hazards - Risks - and Disasters Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Jonathan Sullivan, University of Arizona

**Primary Session Chair(s):** Jonathan Sullivan *University of Arizona*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

James Elliott	The Racially and Ethnically Segmented Climate Mobilities of America's Flood-Prone Communities
Lucas Belury	Digital Humanities, Flood Justice, and the US-Mexico Borderlands
Yilei Yu	Spatial Assessment of Flood Vulnerability for Disadvantaged Communities in Harris County, Texas
Junhak Lee	Urban Flooding and Environmental Justice: Uncovering Inequities in Portland, Oregon
Aaron Flores	Inequities in Flood Exposure and Risk Perception between Residents in FEMA Flood Zones and Federally-Overlooked Flood Zones in Maricopa County, Arizona

## Climate adaptation in natural resource systems 2

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Coastal and Marine Specialty Group, Human Dimensions of Global Change Specialty Group

**Primary Organizer:** Arielle Levine, San Diego State University

**Primary Session Chair(s):** Arielle Levine *San Diego State University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Kristen Green	Adaptive capacity of West Coast shellfish farmers: strategies and policies
Jacqueline Vogel	Drivers of conflict and resilience in shifting transboundary fisheries
Abigail Golden	Evaluating adoption of adaptive capacity theory by U.S. natural resource managers
Arielle Levine	Adaptive strategies and barriers to adaptation for fishermen in the California market squid and spiny lobster fisheries

### Non-Presenting Participants

Role	Participant
Discussant	Amy Quandt <i>San Diego State University</i>
Discussant	Arielle Levine <i>San Diego State University</i>

## Humanitarian geographies: crises, challenges, and futures

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Polly Pallister-Wilkins, University of Amsterdam

**Primary Session Chair(s):** Polly Pallister-Wilkins *University of Amsterdam*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Lisa Richey	Geographies of Dissociation in Humanitarian Partnerships: Exploring the 'Value' of Help through a Cultural Political Economy of Space
Jennifer Hyndman	From Camps to Plants: Humanitarian Protection for Refugees Meets Labour Shortages in Canada
Kara E. Dempsey	Asylum camps and migrant agency
Polly Pallister-Wilkins	The future does exist, it does not need to be imagined: coloniality in humanitarian futures thinking
Bronte Alexander	A humanitarian model? The debilitating mobilities of community detention

**Non-Presenting Participants**

Role	Participant
Panelist	Lisa Ann Richey <i>Copenhagen Business School</i>
Panelist	Jennifer Hyndman <i>York University</i>
Panelist	Bronwyn Bragg <i>York University</i>
Panelist	Kara Dempsey <i>Appalachian State University</i>
Panelist	Polly Pallister-Wilkins <i>University of Amsterdam</i>
Panelist	Bronte Alexander <i>Griffith University</i>

## Extended Urbanization 3: Urbanization and Peripheralization

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Christian Schmid, ETH Zürich

**Primary Session Chair(s):** Rodrigo Castriota *Politecnico di Torino*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317A (Kaho'olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Lindsay Blair Howe	New Frontiers of Extraction: Peripheralization and Opportunity in South African Urbanism
Metaxia Markaki	Expropriation and Extended Citizenship: The peripheralisation of Arcadia
Nancy Couling	The urbanisation of the sea from a coastal Sámi perspective
Sahil Sasidharan	Digital empire in India's urban peripheries: Property technics in agrarian Delhi's urban extensions
Discussant: Christian Schmid	
Discussion	

### Non-Presenting Participants

Role	Participant
Discussant	Christian Schmid <i>ETH Zürich</i>

## Towards geographies of trust

**Type:** Paper

**Sponsor Group(s):** Legal Geography Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Tiffany Grobelski, Gustavus Adolphus College

**Primary Session Chair(s):** Chris Lizotte *Oxford Brookes University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Benjamin Trumble	Contested Public Spaces: Free Speech Governance in Libraries
Josh Watkins	Post-Truth Politics, Trust, and the Geographic Imagination and Knowledge of the Flat Earth Movement
Tara Sutton	The Red Hill water contamination: A Critical Look at Institutional Trust and Crisis Response
Chris Lizotte, <i>Oxford Brookes University</i>	Epistemic trust, education polarization and identity politics: a research agenda for the defining political challenges of the early 21st century
Michael Glass, <i>University of Pittsburgh</i>	Building Trust in Left-Behind Places: Reciprocity, Longevity, and Capacity

## The Production of Space at 50: Orientations

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Key MacFarlane, University of California, Santa Cruz

**Primary Session Chair(s):** Key MacFarlane *University of California, Santa Cruz*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Erica Zurawski, <i>University of California Santa Cruz</i>	Materializing the metaphor: Theorizing the food desert as a sociospatial–legal instrument in the production of space
Tilman Schwarze	Towards a Lefebvrian Methodology for Empirical Research
Hakki Ozan Karayigit	The Building of Millet: Islamist production of space and imagined Ottoman identity

Lauren Pearson, <i>University of California - Berkeley</i>	Land on Fire: The Spatial Production of the Mafia
Key MacFarlane, <i>University of California - Santa Cruz</i>	Residues of the Dialectic: Lefebvre, Hegel, and Spatial Sedimentation

### Short-term rentals: The research-regulation interface

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** David Wachsmuth, McGill University

**Primary Session Chair(s):** David Wachsmuth *McGill University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 303A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### Presentations (if applicable) and Session Agenda:

David Wachsmuth	Neither housing nor hotel: The emergence of “medium-term rentals” in post-Covid Canadian cities
Thomas Sigler	The Professionalisation of Short-Term Rentals in Australian Cities
Barbara Brollo	Mid-Term Rentals and the Airbnbification of Housing
Brendan O'Brien	Restricting Entire-Home Short-Term Rentals: Why Are We Debating What's Obvious?

### Hazards, Risks, and Disasters 5(Virtual) : Health and disasters

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 3

**Presentations (if applicable) and Session Agenda:**

Clayton Frazier	From Resettlement to Wellbeing: Navigating Healthcare Access for Refugees in the Southeastern U.S.
Jake Layburn	Racial and Sexuality Inequities in Mpox prevalence and vaccination uptake: A tale of two Midwestern states in the US
Tao Zhang	Research on the spatial and temporal patterns and formation mechanism of smallpox epidemic in Hubei Province, China: 1488-1949
Hilary Sandborn	Accounting for the prevalence of chronic conditions in an agent-based model for COVID-19 hospitalizations
Andrea Rishworth, <i>Pennsylvania State University</i>	Contesting COVID-19 vaccine hesitancy: realities and experiences among immigrant and racialized individuals in Peel Region Canada

**HRDSG Resilience and Adaptation III****Type:** Paper**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona**Primary Session Chair(s):** Katie P. Bernhard *Penn State***Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Katie Bernhard	Linking risk preferences and household resilience in the Greater Virunga Landscape
Mark Horner	Community Resilience in Rural Areas: Geospatial Considerations in Building An Action Plan
Edward Benoit	PROTECCT-GLAM: Providing Risk of The Environment's Changing Climate Threats for Galleries, Libraries, Archives & Museums

Daniel Sambu	Community Conservancies in Kenya: Striving to Enhanced Community Well-Being and Resilience in the Face of Historical Challenges and Global Perturbations
Yi-Chan Tseng	Constructing trans-tribal resilience through localized disaster risk reduction education in Taiwan

### Actionable Science of Global Environment Change III

**Type:** Paper

**Sponsor Group(s):** AAG Climate Action Task Force, Applied Geography Specialty Group, Climate Specialty Group, Cryosphere Specialty Group

**Primary Organizer:** Ziheng Sun, George Mason University

**Primary Session Chair(s):** Ziheng Sun *George Mason University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

#### **Presentations (if applicable) and Session Agenda:**

Yolanda McDonald	The Climate-Water Nexus: Toward an Integrated, Multi-Sectoral Approach
Lindsay Barbieri	Geographic Approach to Development for Climate Action: U.S. Agency for International Development's Geospatial Strategy and Its Importance for Advancing Climate Action
Patrick Augustine	Addressing Climate Change Adaptation with Indigenous Cosmologies and Ontologies through Two-Eyed Seeing (Etuaptmumk)
Shuai An	The spatially heterogeneous trends and diverse physical environment drivers of the intra-annual maximum greenness rate of global natural vegetation in the past four decades
Julie Lafortune	Fostering resilience and climate change adaptation through nature-based solutions: a socio-economic study in the Moyon-Bafing National Park in Guinea

## Building a Stronger Geography Department

**Type:** Paper

**Sponsor Group(s):** AAG Healthy Departments Committee

**Primary Organizer:** Katherine Lester, University of Southern California

**Primary Session Chair(s):** Katherine Lester *University of Southern California*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Ross Guida	Building a Southeast Texas Geoscience Learning Ecosystem to Improve University Recruiting
Patrick Shabram, <i>Front Range Community College</i>	Department Wide Acceptance of Active Learning Techniques Shows Greatest Improvements in Student Outcomes
Elizabeth King, <i>Penn State University</i>	Meeting Adult Learners Where They Are: Geospatial Advisers Who Are Also Practitioners
Kenneth Foote, <i>University of Connecticut</i>	Cultivating a Collegial Department Workplace

## GeoAI Deep Learning Symposium: GeoAI for Feature Detection and Recognition - Part III

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group

**Primary Organizer:** Kevin McKeegan, HNTB Corp

**Primary Session Chair(s):** Samantha Arundel *U.S. Geological Survey*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Bernice Aikins	ASSESSING THE ACCURACY OF SUPPORT VECTOR MACHINE, RANDOM FOREST AND SPECTRAL ANGLE MAPPER ALGORITHMS IN WETLAND MAPPING
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Ying Lu, <i>University at Buffalo</i>	Leveraging optimal UAV-LiDAR-derived features for Mask R-CNN and YOLOv8 to refine individual mangrove tree crown delineation
Huiran Jin	Assessing spatiotemporal variations and driving forces of harmful algal blooms in New Jersey lakes using remote sensing and artificial intelligence
Ellemieke Van Kints	Neural Radiance Field Methods for Satellite Imagery of Polar and Arid Climates

## Conservation and Management of Coastal Species

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Sharon Kay, University of Victoria, Raincoast Applied Conservation Lab

**Primary Session Chair(s):** Sharon Kay *University of Victoria, Raincoast Applied Conservation Lab*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Sharon Kay	Social Group Composition and Body Condition in Northern Resident Killer Whales
Persia Khan	Does forest age effect wildlife occupancy in coastal rainforests?
Chris Darimont	Salmon consumption predicts population dynamics in grizzly bears
Alison Gladwell	Too Close for Comfort? Motorized vessel behaviour and compliance to Marine Mammal Regulations in Northeast Vancouver Island

## Geopolitics in the digital age

**Type:** Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Digital Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Balazs Gyorgy Forman, John von Neumann University

**Primary Session Chair(s):** Balazs Gyorgy Forman *John von Neumann University*

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 318A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Chien-Pei Kuo	The development of metadata to facilitate the discovery and applications of 3D georesource in digital twins
Zihan Yin	Industrial Nova: Pro-growth Agent Platforms in Digital Urban Governance
Xiaofang Wei	Soil moisture estimation from Landsat imagery for surface energy balance study in irrigated agriculture fields

### Non-Presenting Participants

Role	Participant
Introduction	Norbert Csizmadia <i>John von Neumann University</i>

## Food Policy and Food Politics 2

**Type:** Paper

**Sponsor Group(s):** Geographies of Food and Agriculture Specialty Group

**Primary Organizer:** Kate Nelson,

**Primary Session Chair(s):**

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Wen Lin, <i>Newcastle University</i>	Food Access and Global Discount Food Retail Chains: A Multi-country Analysis
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Kristen Lowitt, <i>Queen's University</i>	Small Scale Fisheries and civil society participation in food systems governance
Maria Elisa Christie, <i>Virginia Tech</i>	Linking the gendered space of the house-lot garden and subjective indicators of empowerment in Tricho-compost production: Perspectives from women farmers in Bangladesh

## Landcover and Use

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** John Kupfer

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Nicholas Aboagye	Thirty Years (1990-2020) of Land Cover Change in the Northern Rio Grande Corridor, New Mexico.
Donald Akanga	Spatial Analysis of the Interconnections between Land Cover Change and Livelihoods in Southwest Kenya
John Duncan	Think global act local - intercomparison of national and global land use and land cover products: a Fijian case study
John Kupfer, <i>University of South Carolina</i>	Long-term, Large-scale Human Influences on the Spatial and Functional Persistence of a Threatened Pine Savanna Ecosystem

## Geographies of Inequalities

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jongnam Choi

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Carlos Morales-Ramirez	Queer Vexillology: Lessons on How to Incorporate Queer Flags in the Human Geography Classroom
Helen Sajo	Fortressing in Baton Rouge, Louisiana: What is St. George?
Meghna Mohandas	Private space as sites of 'othering': Rental housing experiences of migrant women in Bengaluru, India
Nokuzola Songo	Performance Ethnography as Geography
Jongnam Choi, <i>Western Illinois University</i>	From Maps to Marvels: Exploring Korean Cultural and Ethnic Diversity through The National Atlas of Korea

**Water in Arid Lands****Type:** Paper**Sponsor Group(s):** No Sponsor Group Associated with this Session**Primary Organizer:** Program Committee,**Primary Session Chair(s):** Jimmy Junran Li**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 309, Third Floor, Hawai'i Convention Center**Presentations (if applicable) and Session Agenda:**

Yaning Chen	Study on the impacts of global change on water-ecosystems in the arid zones of Central Asia
Kenzie Shandonay	Exploring the nexus of drought, vegetation, and dune mobility: A case study in the Parker Dunes, Arizona
Xianfeng Chen	Spectral Unmixing vegetation cover of a desert ecotone with High Spatial Resolution Satellite Imagery
Huijie Xiao	Study on the protection forest system of desert oasis based on laser radar technology

Jimmy Junran Li	On the distribution and dynamics of oases in China in the 21st century
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## Talking Trash Around the World

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Virginia Maclaren	Improving Organic Waste diversion in Multi-Family Buildings: Mixed Results with the Technological Fix
Sarah Moore	Waste Management Ink
Tonglu Li	A Systematic Review of China's Sustainable Household Food Waste Management Current Status

## Financialization & Economic Development

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Amisha Thakur

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Ang LIU	Financialization of Housing Production: Governing Shadows of Developers in Urban China
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Michael McCanless, <i>University of Kentucky</i>	Banking on alternative credit scores: Auditing the calculative infrastructure of U.S. consumer lending
Ling Zhang, <i>University of Central Arkansas</i>	Walmart in China: Past, Present and Future
Xiaoxia Zhang	Governance in China's Urban (Re)development: Rethinking State Entrepreneurialism from an Assemblage Perspective
Amisha Thakur	B&Bs in the Queen of Hills of India: Analyzing the Influence of B&Bs on Shimla's Local Economy and Urban Fabric

## Historical Geographies

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Salma Abouelhossein

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 1

### Presentations (if applicable) and Session Agenda:

Georgeta Connor	Reconstructing Historical Geographies of the Former Greek Colonies in Dobrogea, Romania: Ancient Urban Network
Gong Zhang	Re-locating Port City Heritage to everyday life using multi-source data
Abel Traslavina-Arias	Managing Scarcity and Infrastructural Pressures: The case of a rural irrigation organization on the Pacific coast, Lurin Valley, Lima-Peru.
Viviana Pupeza	Geographies of African Resistance in Cape to Cairo's Railway Towns

## Mapping Terrains and Habitats

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Mia Bennett

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 7

### Presentations (if applicable) and Session Agenda:

Collin Philipps	Accounting for spatiotemporal autocorrelation in panel data: an example with American Coots, <i>Fulica Americana</i>
Patrick Lawrence, <i>University of Toledo</i>	Post Environmental Project Evaluation: How Successful Were We-Ottawa River Restoration at Main Campus of the University of Toledo 2013 to 2023
Kline Alt	Examining Burrowing Owl ( <i>Athene cunicularia</i> ) habitat based on terrain-derived environmental metrics
Hung-Ying Chen, <i>Durham University</i>	Urban Sky as Resource Frontier: Air Rights-based Financing for Transit-Oriented Development in Taiwan

## Urban Coastal Communities

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Shibo Zeng

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Cadey Korson	Integrated restoration in practice: Te Hōnanga a Iwi
Ching-Wen Chou	Spatio-temporal changes and trade-offs of ecosystem services: A Net-Zero Perspective in Yilan, Taiwan

Shibo Zeng	Can low-carbon city construction reduce carbon intensity ? Empirical evidence from low-carbon city pilot policy in China
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## Black Geographies Specialty Group Business Meeting

**Type:** Meeting

**Sponsor Group(s):** Black Geographies Specialty Group

**Primary Organizer:** Priscilla McCutcheon,

**Primary Session Chair(s):** Priscilla McCutcheon

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

## Topics in Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 10:40 AM - 12:00 PM **Room:** 301A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Atikul Hoque	Mapping Woody Plant Encroachment with a multi-sensor and multi algorithm approach
Mengdi Qin	Explanation and Application of Phenomenological Methods in Urban Geography and Urban Planning
Benjamin Weinger, <i>University of California, Los Angeles</i>	Climatic dissenters in Bolivia: Mesa 18 and the critique of climate governance

## GeoAI and Deep Learning Symposium: GeoAI for Spatial Analytics and Modeling

**Type:** Paper

**Sponsor Group(s):** Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Di Zhu, University of Minnesota, Twin Cities

**Primary Session Chair(s):** Di Zhu *University of Minnesota, Twin Cities*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304B (Mānoa), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Yunlei Liang	GeoAI-Enhanced Community Detection on Spatial Networks with Graph Deep Learning
Boyu Wang	Simulating urban flows with geographically explicit synthetic populations
Sheng Wang	Generating human mobility network under extreme weather: a case study in the winter of Twin Cities
XUCAI ZHANG	A Graph Neural Network Considering Regional Heterogeneity for Traffic Prediction

## Participatory Action Research in Urban Studies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Pablo Sendra, University College London

**Primary Session Chair(s):** Pablo Sendra *University College London*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Pablo Sendra	Participatory Action Research and co-production with social housing residents in London: the case of Trellick Tower
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Jiří Pánek	EmotionalMaps - experience from ten years of participatory mapping
Susannah Bunce, <i>University of Toronto</i>	Repositioning Praxis in Urban Community-Engaged Participatory Action Research
Eduardo Cassina	"Art Residencies & Planning Prostheses": Exploring the potentialities of artist residencies as participatory methodologies in urban planning
Valerie Gruber	Social Delta Formation: A Grounded Theory Approach to Afro-Latin American Cityscapes
Discussion	

## Ocean society. Ecological heterogeneous assemblages, more-than-human kinships, and social engagement practices in the AnthropOcean

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session, Coastal and Marine Specialty Group

**Primary Organizer:** chiara certoma', university of rome La Sapienza

**Primary Session Chair(s):** chiara certoma' *university of rome La Sapienza*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302B, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Louis Pille-Schneider	Tempestuous temporalities. Memorialization of the Joola's last voyage in Fatou Diome's <i>Les Veilleurs de Sangomar</i>
Katrin Losleben	Becoming-with the Ocean. Feminist Listening Methodologies for New Environmental Narratives
Annaclaudia Martini	Affective oceanic assemblages: seawalls and community resistances in post-disaster Tohoku, Japan

Luca Bertocci	Towards the Planetary Flood: tools for inhabiting and negotiating the world when rising oceans encounter the urbanization of society.
Jo-Tzu Huang	Agential (Im)mobility: Sea urchins, stock enhancement and tourism in Penghu of Taiwan

### Non-Presenting Participants

Role	Participant
Panelist	Louis Pille-Schneider <i>University of Bergen</i>
Panelist	Akshata Mehta <i>University of the Western Cape</i>
Panelist	Katrin Losleben <i>The Arctic University of Norway</i>
Panelist	Luca Bertocci <i>Politecnico di Torino</i>

## Applied Climatology

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group

**Primary Organizer:** Scott Sheridan, Kent State University

**Primary Session Chair(s):** Scott Sheridan *Kent State University*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Michael Allen, <i>Old Dominion University</i>	Virginia Cooling Centers: Equitable Heat Resilience?
Scott Sheridan, <i>Kent State University</i>	Assessing the Wet-Bulb Globe Temperature as a predictor of overall mortality in summer
Cameron Lee, <i>Kent State University</i>	Weather Whiplash: Trends in Rapidly Changing Temperature Events

Oluwaferanmi Akinyemi	IMPACT OF AIR MASSES ON ELECTRICITY DEMAND IN EUROPE
Seth Rainey	The traffic safety hazards of winter weather in the lake-effect region of Northeast Ohio

## New Books for Diverse Economies and Liveable Worlds: Pluriverses of care, gender and belonging

**Type:** Panel

**Theme:** Recovery and Restoration

**Sponsor Group(s):** China Specialty Group, Feminist Geographies Specialty Group, Latin America Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Kelly Dombroski, Massey University

**Primary Session Chair(s):** Katharine McKinnon *University of Canberra*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Panel Discussion

### Non-Presenting Participants

Role	Participant
Panelist	Katherine Gibson <i>University of Western Sydney</i>
Panelist	Cindi Katz <i>The City University of New York</i>
Panelist	Ryan Centner <i>London School of Economics</i>
Panelist	Junxi Qian <i>Hong Kong University</i>
Panelist	Nina Laurie <i>University of St Andrews</i>

Discussant	Kate Maclean <i>University College London</i>
Discussant	Kelly Dombroski <i>Massey University</i>

## Geospatial Data Analytics for Public Health

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tao Hu, Oklahoma State University

**Primary Session Chair(s):** Tao Hu *Oklahoma State University*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 305A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Tanhua Jin	Is A 15-minute City within Reach in the United States? An Investigation of Activity-Based Mobility Flows in the 12 Most Populous US Cities
Xiang Zhang	Global Perspectives on Post-COVID Economic Shifts: A Cross-Country Analysis of Public Sentiment on YouTube Political Channels
Tao Hu	Beyond Conventional Proximity Metrics: Using Smartphone User Mobility to Unveil Health Access Disparities

## Global Debtscapes

**Type:** Virtual Paper

**Sponsor Group(s):** Development Geographies Specialty Group, Political Geography Specialty Group

**Primary Organizer:** Drew Kaufman, Queen's University, Canada

**Primary Session Chair(s):** Drew Kaufman *Queen's University, Canada*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 6

### Presentations (if applicable) and Session Agenda:

Drew Kaufman	The Political Economy of Sovereign Debt: How asset managers discipline emerging markets
Avanthi Jayasuriya	A Fiscal Crisis of the Post-Colonial State: Analysing the multi-scalar debtscales of Sri Lanka's sovereign debt crisis.
Zilong Liao	State rescaling and the making of China's urban debtscales
Jeimy Arias, <i>Université De Montréal</i>	The differentiated promises of infrastructures, houses, and debts. Reflecting on the Colombian diverse housing policies in the 1970s.

## Rethinking cities: Urban in the new era

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Oi Lam Yip, The University of Hong Kong

**Primary Session Chair(s):** Oi Lam Yip *The University of Hong Kong*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Ying Jia Cheung	Are "Smarter" Cities "Happier"? Regression Analysis of Over 100 Cities Worldwide
Oi Lam Yip	Two-faced alleyway - triangulating perspectives between community and planners on urban spaces: back alleys in Hong Kong
Xinhua Li	Aberrance of popular planning concepts: The gaps in their visions and actions
Ruoqi YU	Nostalgia as a driver of regional revitalization: Overseas Chinese Hometown in Xiamen
BORA LEE	Study on the relationship between the multi-intercity network and urban growth

## Digitalization, Financialization, and Consolidation: Geographies of Farmland Investment

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Emily Duncan, University of Regina

**Primary Session Chair(s):** Emily Duncan *University of Regina*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 303A, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Emily Duncan	Consolidating Digital Agriculture: Implications for Agri-food Systems
Marcellinus Essah, <i>University of Toronto</i>	Digital Agriculture, smallholder farmers and rural class relations in Ghana
Gwendolyn Scott, <i>University of California, Davis</i>	The Recalcitrant Strawberry - Labor, Mechanization, and the Digital Revolution
Meghna Patnaik	Indian Agritech: Boom or Bust for the Smallholder Farmer

## Children and young people's resilient lives in dynamic and challenging contexts 1

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Lorraine van Blerk, University of Dundee

**Primary Session Chair(s):** Lorraine van Blerk *University of Dundee*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

LUCIANA BIZZOTTO	Community engagement in the development of an Educating Neighborhood practice: the youth participation from the Observatório De Olho Na Quebrada during the Covid-19 pandemic
Roula Zougheibe	Children's Resilience to Worry: Unmasking the Pandemic's Impact on Australian Children's well-being
Boyang Yin	Migrant Children's experiences of inclusion and exclusion in Chinese Educational Settings
Janine Hunter	The contribution of enduring intimate partner relationships to young street people's resilient lives in Ghana
Kathy Reilly	Exploring Young People's Experiences of Climate Change: Education, Trust and Activism

## Geospatial AI and Informatics for Urban & Ecosystems Analytics 1

**Type:** Paper

**Sponsor Group(s):** Africa Specialty Group, Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Samuel Adu-Prah, Sam Houston State University, Texas, USA

**Primary Session Chair(s):** Samuel Adu-Prah *Sam Houston State University*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Bo Yang	Enhancing Transportation Safety through AI-Driven Crime Prediction in Urban Environments
SungYeol Kim, <i>Pusan National University</i>	A study of urban central area differentiation, decline, and movement from an urban morphological perspective using space syntax theory
Charlie Mix, <i>No Affiliation</i>	Assessing urban tree canopy using high resolution imagery, remote sensing, and GIS for Chattanooga, Tennessee

Haoran Cheng	Distinguishing the Relative Contribution of Climate Change and Human Activities on Global Urban Vegetation Dynamics at 30 m Resolution using Google Earth Engine
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## Sustainable development in developing countries

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Gui Jin, China University of Geosciences

**Primary Session Chair(s):** Gui Jin *China University of Geosciences*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 302A, (Makiki) Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Gui Jin	Understanding land for high-quality development
Jie Zhao	Spatiotemporal Evolution of Ecological Security in Low-Latitude Mountainous Areas of China: A Case Study of the Hengduan Mountains
Baishu Guo	Urban green total factor productivity in China: A generalized Luenberger productivity indicator and its parametric decomposition
Xuan Liu	An Empirical Analysis of the Impact of Urban Land Use Patterns on Residents' Health
Yin Yang	The Industrial Finance Role of Chinese REITs and the Prospects for Their Application in China's Energy Infrastructure

## Extended Urbanization 4: Urbanization of Agricultural Territories

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Christian Schmid, ETH Zürich

**Primary Session Chair(s):** Nancy Couling *ETH Zürich*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

**Presentations (if applicable) and Session Agenda:**

Nikolaos Katsikis	From Operationalization to Exhaustion: The US Cornbelt
Hiromi Inagaki	'Energy Transition' through Extended Urbanization Processes: A Case Study of Sugarcane-Based Electricity Production in Northeast Thailand
Hans Hortig	Palm Oil Operations: Urbanising Agricultural Territories of Malaysia
Discussant: Naomi Hanakata	
panel discussion	
discussion	

**Non-Presenting Participants**

Role	Participant
Panelist	Naomi Hanakata <i>NUS Singapore</i>

**Emerging and sustaining critical social infrastructure during the COVID 19 pandemic 1:  
Examining emergent initiatives with, against, and beyond the state**

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Keavy McFadden, Trinity College

**Primary Session Chair(s):** Sarah Heck *Temple University*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 1

**Presentations (if applicable) and Session Agenda:**

Laura Landau	Infrastructures of mutual aid
Holly Caggiano	“We’re real people doing this work”: The role of mutual aid as community care in the climate crisis
Keavy McFadden	COVID-19, Care, and Recovery in Schools
Jonathan Marty	The Consolidation of Space: Emerging Forms of Governance in New York City's Public Realm

## Exploring Methodologies in Psycho-Spatial Research 1

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Katherine Lester, University of Southern California

**Primary Session Chair(s):** Katherine Lester *University of Southern California*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Fahimeh Mohebbi	Spatiotemporal Analysis of Gun Violence and Mental Health Disparities among Racial Communities in US Metropolitan Areas
Vanessa Ambtman-Smith, <i>Western University</i>	Incorporating Indigenous traditional healing spaces within a hospital context: A place-based study of three unique spaces within Canada’s oldest and largest mental health hospital
Matthew Hobbs	Examining the impact of childhood air pollution exposure on adolescent and early adulthood mental health and development: findings from the Christchurch Health and Development birth cohort study
Tahia Devisscher	How to Assess restorative nature and vulnerability relationships in urban settings
Kate Lester, <i>University of North Texas</i>	Exploring a Two-Step Model of Suicide Mortality in Chicago

## Hazards, Risks, and Disasters 6(Virtual): Risk Mitigation and Equity

**Type:** Virtual Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Nicole S. Hutton *Old Dominion University*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 3

### Presentations (if applicable) and Session Agenda:

Lauren Pearson	Prepare for Success: A Comparative Analysis of Hazard Mitigation Plans in the Southeastern United States
Dawon Oh	Unveiling the Unseen: Assessing the Impact of Flooding in North Korea through Satellite Imagery and Machine Learning
Alessia Tortolini	We Need To Talk: Borderless Interventionism in the 2023 Libyan Flood
Ashleigh Price, <i>University of Southern Mississippi</i>	Introduction to Crime in Human-Environment Geography: Hazards, Risks, and Disasters as Disturbances to a Complex Adaptive System.
Meen Wook Jung	Toward thermal equity: How do municipal greening efforts deteriorate urban climate justice?

## HRDSG Lightning talks

**Type:** Lightning Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Oronde Drakes, USGS

**Primary Session Chair(s):** Natalia Fath *Towson University*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Natalia Fath, <i>Towson University</i>	Assessment of ecosystem services generated by urban tree cover – case study of Vienna, Austria
Sayma Khajehei	Public Housing Recovery Governance: A Retrospective Analysis of Five Case Studies
Rebekah Paci-Green	Seismic Safety in Coastal Communities Facing Sea Level Rise
Zora Ott	Climate Resilient Development Practice - Integration of Adaptation and Mitigation in Local Climate Action Planning
Frida Perez	Antarctic sea ice advance and retreat timings under an invariant cycle
Tracy Onega	Cross-state Travel for Cancer Care and Implications for Telehealth Capacity
Melinda Butterworth	Environmental Health Hazards and Threats: community engaged research and learning in Marion and Polk counties, Oregon

## An Examination of Changes in, and Impacts of Primary Education to University Education

**Type:** Paper

**Sponsor Group(s):** Geography Education Specialty Group

**Primary Organizer:** Dr. Mary Curtis, University of Houston - Clear Lake

**Primary Session Chair(s):** Dr. Mary Curtis *University of Houston - Clear Lake*

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313C (O'ahu), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Inga Gryl	Primary Geography Education: Core Concepts, Curriculum Development, and Practical Applications with Empirical Insights
Maryam Syed	Transforming and Radicalizing Environmental Education: How effective are attempts to decolonize education at the university level?

Diego Silva Ardila	University and city: The role of higher education institutions in urban development in Latin American cities
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## Political Geography & Identity Politics

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Varun Sanadhya

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Michael Clevenger	The Political Economy and Geography of North and East Syria (Rojava)
Zdenek Oprsal	The subnational geography of foreign aid in Moldova - donor darlings and orphans among the Moldovan raions
Christopher Courtheyn, <i>Boise State University</i>	Solidarity and Identity Politics amid Colonial-Racial Capitalism: Protective Accompaniment in a Colombian Resistance Community
Varun Sanadhya	Populating Empty Lands of the World: Asiatic Lebensraum in Climate Change

## Issues in Education Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Frank van der Wouden

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Laxmi Ramasubramanian	TRELIS after 5 years: Reflections and Lessons Learned
Kytt MacManus	Lessons Learned in ScienceCore Heuristics for Open science Outcomes in Learning (SCHOOL): Developing Online Open Science Learning Modules using an Agile approach
Eric Shook, <i>University of Minnesota</i>	GeoCommons and the Convergence Curriculum
Tony Spicci, <i>GIS Certification Institute</i>	Becoming a GISP: The Importance of Professional Certification in the Geospatial Community
Frank van der Wouden	The Geography of Open Access Publication

## Enviromental and Place-Based Education Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Sarah Radel

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Loch Brown, <i>University of British Columbia</i>	Emerging Technologies and Progress Traps: A political ecology approach to technology studies
Man Hei Jeffrey Chang	Integrating geography-STEM education and numerical modeling into urban microclimate analytics
Douglas Faulkner, <i>University of Wisconsin-Eau Claire</i>	‘Āina and Me: Lessons Learned Bringing Midwest Undergrads to Hawai‘i Island
Chelsie Romulo	Place and Proximity in Student Narratives of the Food-Energy-Water Nexus

## Discourse to policy: racialized space in the US and prefiguring equitable landscapes

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Kate Prell

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 315 (Moloka'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Parvathy Binoy, <i>Colgate University</i>	I'VE HAD A HISTORY OF RESISTANCE: Amy Stelly's fight against the Claiborne Expressway in Tremé, New Orleans
Marisa Raya	Listening Like a State: How Participants in California's Statewide Reparative Processes describe their Relationships to Land
Kate Prell	Cannabis Equity: Analyzing interests, policy, and spatial outcomes in Long Beach, California

## Contemporary Issues in Economic Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Konstadinos Goulias

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 314 (Lāna'i), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Seonghun KIM	Coupling Process during Industrial Upgrading of Korea's Electronics Industry
Sookyong Kim	Navigating innovation systems of Korea's Edtech industry and their wider implications
Dahae Eum	Non-market valuation of wetlands in Korea: meta-regression analysis and benefit transfer

Rourou HUANG	Exploring the interplay of actors and space in socio-technical transition: A framework for analysis
Konstadinos Goulas	Detecting the Geography of Communities in Commodity Flows Using Network Science Analytics

## Boats, Trains, and Automibes

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Maria Attard

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Craig Laing	Grand Canyons of the East? Place Imagery in Appalachian Railroad Advertising
Jonathan Leib	Scales of Governance and the Automobile in the Early 20th Century United States
Maria Attard	The potential of sea ferries for multi-modal integration in island (transport) geographies

## Responses to Housing Inequality

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Szymon Marcińczak

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Franz Bernhardt	(Re)articulating acts of citizenship in times of multiple crisis- the field of housing and activist tenant citizenship
Kristian Ruming	Selling together: the calculative practices of resident collective sales
Laura Bates	Framing the human right to adequate housing: An analysis of United Nations Special Rapporteur country reports
Sarah Walker, <i>Colorado State University</i>	Are floodplain protections and affordable housing related? Mental modelling local leaders' perceptions
Szymon Marcińczak	Exploring the Pathways of Neighborhood-Level Housing Affordability Changes in Warsaw, Poland (2006-2022)

## Climate, Environment, and People

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Caitlin McElroy

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Corrie Monteverde, <i>San Diego State University</i>	Linking changes in Brazilian Amazon climate regimes to farmer livelihoods: a holistic climate science perspective
Judith Rakowski	On the Applicability and Benefits of General Strain Theory for Wildlife Crime Prevention - a Case Study in Vietnam
Elle Jingjing Xu	Exploring Nature Crime using Participatory Mapping and Place-Network Investigations of Neglected Spaces
Caitlin McElroy	Regenerative business: Navigating certifications and greenwash

## Environmental Conservatism & Restoration

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Wenbo Zhu

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 316C (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Meghan Klasic, <i>University of California - Davis</i>	A review of social indicators of environmental restoration
Xi Wei	Promotion of semi-wild production of <i>Dendrobium officinale</i> in targeted consumer groups as a conservation strategy of the endangered species
Wenbo Zhu	Research on the Conservation Effectiveness of Natural Reserves Based on Mitigating the Pressure of Human Activities ——Take Funiu Mountain Area as an example

## Spatialities of Resistance

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Tomasz Sowada

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** Virtual 4

### Presentations (if applicable) and Session Agenda:

Alex Mohr	Belly Dance in Nebraska: Identity, Social Acceptance, and Perseverance
Sara Moya	Viajando sin Papeles: How Packaged Love, Memory, and Nostalgia Sustain Separated Families
Tomasz Sowada, <i>No Affiliation</i>	Entangled spatialities of resistance

## Topics in Geography

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jiaxun Sun

**Date:** 4/20/2024 **Time:** 1:20 PM - 2:40 PM **Room:** 318A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Waheed Ramesh	Factors of the collapse of the Islamic Republic of Afghanistan
Jian Wang	Non-uniform climatic responses of plant phenology derived from optical-, microwave-, and fluorescence-based satellite observations
Kun Liu	Alleviating poverty in Chinese style: How does China's targeted poverty alleviation promote economic growth?
JIAXUN SUN	Determination of priority control factors for the management of soil trace metal(loid)s in China

## Assessment of distribution of gas station in each neighborhood using GIS and international planning standards

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Farah Saeef,

**Primary Session Chair(s):**

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Farah Saeed	Assessment of distribution of gas station in each neighborhood using GIS and international planning standards
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## Geography of Armed Conflicts in Africa

**Type:** Paper

**Sponsor Group(s):** Africa Specialty Group, Military Geography Specialty Group, Political Geography Specialty Group

**Primary Organizer:** David Russell, University of Florida

**Primary Session Chair(s):** Olivier Walther *University of Florida*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302B (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Olivier Walther	The spatial conflict life cycle in Africa
David Russell	Areas of Operations: An application of spatialized social network analysis to conflict actors
Silvia D'Amato	We Need To Talk: Borderless Interventionism in the 2023 Libyan Flood
Cletus Nwankwo	Eco-socio-political framework: Analyzing farmer-grazier conflict in Central Nigeria

## GeoAI and Deep Learning Symposium: GeoHealth Data Science

**Type:** Paper

**Sponsor Group(s):** Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group

**Primary Organizer:** Jiannan Cai, The Chinese University of Hong Kong

**Primary Session Chair(s):** Jiannan Cai *The Chinese University of Hong Kong*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304B, (Mānoa), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Junghwan Kim, <i>Virginia Polytechnic Institute and State University</i>	Exploring the limitations in how ChatGPT introduces environmental justice issues in the United States: A case study of 3,108 counties
Shir Gravitz-Sela	Spatiotemporal pattern detection of urban parks' users: A new approach using city cameras
Linsen Wang	Assessing the Affective Quality of Soundscape for Individuals: Using Third-party Assessment Combined with an Artificial Intelligence (TPA-AI) Model
Liuyi SONG	Machine-based understanding of noise perception in urban environments

## Digital geographies: Migration. Method. Policy.

**Type:** Paper

**Sponsor Group(s):** Digital Geographies Specialty Group, Geographic Information Science and Systems Specialty Group, Population Specialty Group

**Primary Organizer:** Ebenezer Narh, University of Western Ontario

**Primary Session Chair(s):** Ebenezer Narh *University of Western Ontario*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317Bhs (Kaho`olawe), Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Ebenezer Narh	Nowcasting international higher education student migration: A social network analysis using Facebook
Juan Ruiz Cortes	Mapping Undocumented Spaces at UC Santa Cruz
Serin Houston, <i>Mount Holyoke College</i>	A Story Map of U.S. Sanctuary Policies: Collaboration, Digital Scholarship, and Processual Thinking
Esau Casimiro Vieyra	Origin-Destination Dyads in Mexico-U.S. Migration Flows
Q&A: Each presenter gets 5 minutes	

## Imagining Puerto Rico's Futures: Critical Perspectives on Disaster Studies

**Type:** Lightning Paper

**Theme:** Recovery and Restoration

**Sponsor Group(s):** Black Geographies Specialty Group, Caribbean Specialty Group, Cultural and Political Ecology Specialty Group, Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Fernando Tormos,

**Primary Session Chair(s):** Isabel Guzzardo Tamargo

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Fernando Tormos-Aponte	The politics of government neglect in the wake of hurricane María
Sarah Molinari	Defending Place and Re-imagining Space: School Rescues and Occupations in Puerto Rico
Natalia Lassalle Morillo	Sites of Rehearsal: Revising Colonial History Through Collaborative Creation
Rafael Capó García	Visitor economics in Puerto Rico and Hawai'i: Interrogating woke tourism on the margins of Empire
Ed Morales	The Case for Puerto Rico Reparations
Discussant	
Q&A	

### Non-Presenting Participants

Role	Participant
Discussant	Kevon Rhiney <i>Rutgers University</i>

## Resilience and Adaptation in the Cultural Context to Climate Change

**Type:** Paper

**Sponsor Group(s):** Climate Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Ya Qing Zhan, Institute of Geography, University of Hamburg, Germany

**Primary Session Chair(s):** Ya-Qing Zhan *Institute of Geography, University of Hamburg, Germany*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Daniel LeVine, <i>University of Texas - Austin</i>	Promoting transformative adaptation through community and citizen science
Russell Fielding, <i>Coastal Carolina University</i>	"Cultural Tipping Points" in Ocean Health Governance: a Case Study from the Faroe Islands
Ya Qing Zhan	Tracing Wind Resilience in the Landscape of the Penghu Archipelago
Q&A: Right after each presentation	

## Children and young people's resilient lives in dynamic and challenging contexts 2

**Type:** Paper

**Sponsor Group(s):** Cultural Geography Specialty Group

**Primary Organizer:** Janine Hunter, University of Dundee

**Primary Session Chair(s):** Janine Hunter *University of Dundee*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308B, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Elizabeth Olson, <i>UNC-Chapel Hill</i>	"I learned how to care when I was six years old": Complex family caregiving, young people, and the U.S. care economy
Catherine Wilson, <i>Loughborough University</i>	The Experiences and Outcomes of Children Participating in Environmental Citizen Science

Ann Marie Murnaghan	Play off limits: A speculative analysis of playgrounds during the COVID-19 lockdown in Toronto, Canada
Aireen Grace Andal	Resilience from the young: Examining slum-based leisure as a form of resilience among slum-dwelling children in the Philippines
Lorraine van Blerk	Conceptualising street youth lived resiliencies: applying a multisystemic perspective to spatial, temporal and relational realities in African cities

## Effective Teaching Practices in GIS Education

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Tingting Zhu, University of Toronto Mississauga

**Primary Session Chair(s):** Tingting Zhu *University of Toronto Mississauga*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Tingting Tzu, <i>University of Toronto Mississauga</i>	Assessment of skill development through competency-based reflection journal
Yuhong He, <i>University of Toronto Mississauga</i>	Teaching for Tomorrow: Navigating the Future of Remote Sensing
Dixie Cartwright	Empowering Tribal Communities through Geographic Information System (GIS) Training
Rodolfo Hernandez	Advancing on Critical Pedagogy Through Social Cartographies and PGIS: An Open Source Qualitative Mapping Course

## Emerging and sustaining critical social infrastructure during the COVID 19 pandemic 2: Novel perspectives on community health and wellbeing

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Sarah Heck, Temple University

**Primary Session Chair(s):** Laura Landau *Rutgers University*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 2

### Presentations (if applicable) and Session Agenda:

Sarah Heck, <i>Department of Geography and Urban Studies at Temple University</i>	Envisioning place-based public schools as critical infrastructure for sustaining community well-being during and beyond the COVID-19 pandemic
Eric Carter, <i>Macalester College</i>	Social infrastructure and access to essential health and social services: a case study at the neighborhood level in Tucumán, Argentina
Ana Zepeda	Food security and COVID-19 in a community kitchen in Southern Merida, Yucatan
Mallory Sagehorn	Altered Civic Engagement since COVID-19: A Mixed-Methods Study of Older Americans and 'Third Places'
Xiaoling Chen, <i>University of Colorado, Boulder</i>	"For the elderly": Covid-19 Vaccination, Infrastructural Power, and Structural Violence in China

## HRDSG Coastal Hazards

**Type:** Paper

**Sponsor Group(s):** Hazards - Risks - and Disasters Specialty Group

**Primary Organizer:** Sahar Derakhshan, Cal Poly Pomona

**Primary Session Chair(s):** Dawn Kotowicz *USGS*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306B (Pālolo), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Dawn Kotowicz	Connecting decision makers with USGS coastal and marine science: a strategy informed by social science
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Dylan Robinson	Analysis of Rip Current Hazards at Beach Nourishments Using Ocean Rescue Lifeguard Data
Lara Shinsato	Comprehensive Sea-Level Rise Vulnerability Assessment for the Beach-Dune Barrier Systems of the Eureka Littoral Cell, Humboldt County, California
Peijun Shi	Anthropocene science—from human-environment relationship to human-environment synergy

## Financial Geographies: FinTech, Investment, and the Environment

**Type:** Paper

**Sponsor Group(s):** Economic Geography Specialty Group

**Primary Organizer:** Dariusz Wojcik, National University of Singapore

**Primary Session Chair(s):** Dariusz Wojcik *National University of Singapore*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 318A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Dariusz Wojcik	African FinTech in Global Financial Networks
Vladimir Pazitka	FinTech start-ups in a quandary: Does working with financial services incumbents aid innovation?
Liam Reeve	FinTech in IFCs: A Co-evolutionary Perspective
Franziska Sohns	The Role of Corruption in Shaping the Impact of Natural Disasters on FDI
Gordon Kuo Siong Tan, <i>Singapore University of Technology and Design</i>	Carbon Credits Meet Blockchain – Cryptocarbon Projects and the Algorithmic Financialization of Voluntary Carbon Markets

## Toward Healthy Cities: Interdisciplinary Frontiers in Geography and Urban Planning

**Type:** Paper

**Theme:** Reciprocal Scholarship

**Sponsor Group(s):** Health and Medical Geography Specialty Group

**Primary Organizer:** Lan Wang, Tongji University, College of Architecture and Urban Planning

**Primary Session Chair(s):** Lan Wang *Tongji University, College of Architecture and Urban Planning*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 305B, Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

#### Non-Presenting Participants

Role	Participant
Discussant	Surong Zhang <i>Tongji University, College of Architecture and Urban Planning</i>

## Exploring Methodologies in Psycho-Spatial Research 2

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Katherine Lester, University of Southern California

**Primary Session Chair(s):** Katherine Lester *University of Southern California*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 304A (Mānoa), Third Floor, Hawai'i Convention Center  
(hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Diego Cuadros	Spatial and Temporal Analysis of Substance Use Disorder Mortality in the United States
Enru Wang	Perceived Quality of Life in Oil Boomtowns: A Case Study of Western North Dakota
Mahbubur Meenar	Inclusive Biophilia: Understanding Emotional Landscapes in Parks of Post-Industrial Environmental Justice Communities
Ji-Il Kim	Impact of Mixed-Income Public Housing Developments: Examining the Mediating Role of Discrimination and Social Capital on Psychological Stress among Public Housing Tenants

Sean Crotty, <i>Texas Christian University</i>	Shame Buffers and Strategic (in)visibility: Exploring the effects of social stigma on locational strategies of illicit massage businesses and their customers
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## Climate, Forests, and Watersheds

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Yanli Zhang

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 309, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Deepak Mishra	Canopy Heterogeneity and Drought Drive Interannual Variability in Carbon Source-Sink Periods in Tidal Wetlands
Zachary Dorminey	Small Area Estimates of Virginia's Forests from Coast to Mountains: How does canopy height help?
Yanli Zhang	HUC 12 watershed boundary verification with most current DEM data

## Emotional and Spiritual Geographies

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Huihui Gao

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 307A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Han Zhang	A post-secular tale of two metropolises: Articulating entrepreneurial religion through variegated landscapes of 'urban Buddhism' in Shanghai and Beijing
Rachael Boswell	Walking with artists: Process, intuition and learning to trust.
huihui gao	Ambiguous Enigmatic Daoism: Turning to an Oriental Humanistic Geography
Joel Deichmann	The Geography of Happiness: Does Geography Matter?

## Ecological Economics of Pollution Detection

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Paul Sutton

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313A (O`ahu), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Nicole Pember	Honeybees ( <i>Apis mellifera</i> ) as a Biomonitor on Superfund Sites in Denver, CO, USA
Paul Sutton	The Ecological Economics of Light Pollution: Impacts on Ecosystem Service Value
Alexandra Auyeung	Assessing odours from industrial facilities in Hamilton, Canada

## Sports Geography: Race, Place, Sustainability

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313B (O`ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Jacob Davinson	Sunderland AFC Sustainability Assessment
Hamed Goharipour	Urban Public Spaces and Geographies of Mega-event in Qatar 2022

## Geographies of COVID-19

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 313C (O`ahu), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Ziwen Sun, <i>Beijing Institute of Technology</i>	Compact urban neighborhoods and the Covid-19 pandemic
Marya Rozanova-Smith	The Regressive Effects on Gender Equality During and After the Pandemic: The Case of Northern Iceland
Jason Gilliland	Understanding the spatial predictors of restaurant survival during the first year of the COVID-19 pandemic
Xueying WU	The racial inequity of park visitation behavior in the post-pandemic era

## Digital Geographies: The Age of Social Media

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 314 (Lānaʻi), Third Floor, Hawaiʻi Convention Center

**Presentations (if applicable) and Session Agenda:**

Minxuan Lan	Assessing the Intraday Variation of the Spillover Effect of Tweets-Derived Ambient Population on Crime
Guiming Zhang, <i>University of Denver</i>	Geographic proximity and homophily effects drive social interactions within VGI communities: An example of iNaturalist
Rachel Sharples	Digital Legacy: Twitter, seeking asylum, and Australia's offshore detention policy
Johanna Hautala	Being(s) There(s): Geographies of Knowledge Creation Processes in Extended Spaces and Times
Ewelina Lopata	The future is now! Selected aspects of smart city concept in Poland

## Urban and Regional Planning in China

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 315 (Molokaʻi), Third Floor, Hawaiʻi Convention Center

**Presentations (if applicable) and Session Agenda:**

Percy, ZH ZHOU	Encore for Centrally-orchestrated Statism: Unpacking China's Central-local Relation through the Territory Spatial Planning Regime
dezheng wang	Industrial structure and urbanization in China: general pattern, spatial heterogeneity and practices of rescaling

Tianzuo Wen	Evolution of State Spatial Selectivity and Urban Infrastructure Financing Temporal-Spatial Patterns: A Case Study of Public-Private Partnerships in China
Dehao SHI	Development rights transfer or urban fabric expansion? Re-understanding China's land quotas trading through planetary urbanization

## Economic Geographies and Regions

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jovanna Rosen

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316A (Maui), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

JaeByeong Chun	A Study on the Identification of Megaregions through Functional Linkages between Cities and Changes in the Industrial Structure of the Region
Paul Jung, <i>Inha University</i>	Uncertainty in Border-Crossing as Trade Impediment: Evidence from Southern African Export Shipments

## Urban Green Space: Politics, Design, Justice

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Zuniga-Teran Adriana

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 302A (Makiki), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

sahar sadeghmalakabadi	The role of urban pastoralism in improving public engagement
Ahmed Derdouri	Predicting Greenspace Changes in Casablanca under Climate Change Scenarios: An IPCC-Informed Approach
Adriana Zuniga-Teran, <i>University of Arizona</i>	Shades of Urban Greening: Aligning Greening Policies with Plant Preferences in Low-Income Neighborhoods in Tucson, AZ
Jingjing Yan	Assessing Inequalities in Eye-Level Urban Greenness Provision Across Eight Major U.S. Cities: A Comprehensive Analysis of Socioeconomic Factors

## Geographic Data and Civil Applications

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Greg Yetman

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 308A, Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Catherine Brockway	LanguageFinder: Making US Census Language Data Accessible for Social Sector Decision-making
Megan Parker	How Can U.S. Broadband Expansion Help the Census Bureau Reach More Survey Respondents
Greg Yetman	Gridded Estimates of Sectoral GDP

## GIS and Urban Transportation

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Oscar Larson,

**Primary Session Chair(s):** Bing Wu

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 303B, Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

SeungYeon Lee, <i>Department of Geography, Kyung Hee University</i>	Unveiling Spatial Mismatch between Public Rental Housing and Youth's Daily Activity
Bing Wu	The use of ETC data to examine the influence of urban commuting on the spatial restructuring of desakota regions in Taiwan

## Agriculture, Forest, and Connected Landscapes

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Faby Anne Gagné-Mimeault

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 306A (Pālolo), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Madison Barbour	Contested Ecologies of California Cannabis Production
Jordan McAlister	Differing Outcomes: An Exploration of Regional Approaches to the Historic Preservation of Small-Town, County Courthouses
Faby Anne Gagné-Mimeault	How could we design agri-environmental incentive programs to promote change in agricultural practices?

## Food Systems and Commodities in China

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Yi Guan

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 316B (Maui), Third Floor, Hawai'i Convention Center

**Presentations (if applicable) and Session Agenda:**

Mengcheng Wang	Impact of Multifunctional Farmland Use Transition on Grain Production and its Spatial Spillover Effect from the perspective Major Function-oriented Zoning —— A Case Study of Huang-Huai-Hai Plain
Li Zhang, <i>Amherst College</i>	Food safety and environmental justice in China
Yi Guan	The Transformation of Rural Areas Located in China's Agricultural Heritage Systems under the Evolution of Urban-Rural Relationships

## Human Rights & Social Justice

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Mohamed Elyassini

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 7

**Presentations (if applicable) and Session Agenda:**

Carrie Chennault, <i>Colorado State University</i>	Abolition Methodologies: World Building and the Prison Agriculture Lab
Hannatu Babajo	The Influences that shape the Nature and Structure of Transparency and Accountable in Nigerian Extractive Industries
Rasul Mowatt	The Laundering of Black Rage
Margaret Walton	Sonic Geographies of Social Justice: The Transformative Role of the Freedom Singers in the Civil Rights Movement
Mohamed Elyassini	Campaign Finance Corruption and the End of Geography-Based Representative Democracy

## Neighborhood Changes

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Ramya Ramanath

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 8

### Presentations (if applicable) and Session Agenda:

Dayne Walling, <i>University of Minnesota - Minneapolis</i>	Regional Change after Deindustrialization: The Roles of Scale and Agency in Redevelopment
Sharmistha Bagchi-Sen	An analysis of growing and left behind places in the United States
Wendel Henrique Baumgartner, <i>Federal University of Bahia</i>	Green Gentrification in Lisbon (Portugal). A Study in Marvila (Braço de Prata/Matinha)
M. Naser Lessani	Optimizing Geographical Weights in GWR Model by Incorporating Neighborhood Characteristics
Ramya Ramanath	Raw ground to single family homes in the peri-urban: Path dependence and creation in market-rate affordable housing production

## Culture and Memory

**Type:** Virtual Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Jason Post

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** Virtual 5

### Presentations (if applicable) and Session Agenda:

Jahzeel Aguilera	Emerging and Submerging Narratives: Exploring Anthropogenic Memory and Landscape Dynamics in Lake Pátzcuaro, Mexico
Tang Yong, <i>Chengdu University of Technology</i>	Tasting novelty or familiarity: Chinese liquor in the eyes of western travelers
Jason Post, <i>Tohono O'odham Community College</i>	Memorialization of Indigenous Tongva Places in Present-Day Los Angeles

## Geospatial AI and Informatics for Urban & Ecosystems Analytics 2

**Type:** Paper

**Sponsor Group(s):** Africa Specialty Group, Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group

**Primary Organizer:** Samuel Adu-Prah, Sam Houston State University

**Primary Session Chair(s):** Samuel Adu-Prah *Sam Houston State University*

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 301A, Third Floor, Hawai'i Convention Center (hybrid/streamed)

### Presentations (if applicable) and Session Agenda:

Jonathan Ocón	Pruning our expectations: The implications and applications of earth observation in building urban forestry tools in Los Angeles County
Yong LI	Quantifying the urban spatial homogeneity of physical environment
Teng Fei	Picturing Street Scenery with Your Microphone: Visualize the Urban Soundscapes
Namrata Chatterjee	Spatio-temporal analysis of light pollution levels for cities of the world (2015-2020)

## Geography and Land

**Type:** Paper

**Sponsor Group(s):** No Sponsor Group Associated with this Session

**Primary Organizer:** Program Committee,

**Primary Session Chair(s):** Program Committee

**Date:** 4/20/2024 **Time:** 3:00 PM - 4:20 PM **Room:** 317A (Kaho`olawe), Third Floor, Hawai'i Convention Center

### Presentations (if applicable) and Session Agenda:

Neda Mohamadzadeh	Enhancing the Optical Trapezoid Model (OPTRAM) for Satellite Remote Sensing of Soil Moisture through Integration of Landcover Information
Bingjie Li	An improved global land cover mapping in 2015 with 30 m resolution (GLC-2015) based on a multi-source product fusion approach
Leila Uy	Spatial Analysis of Parking Ticket Violations in Mississauga, Ontario: Understanding Patterns and Predictive Factors

## Responding to Attacks on Critical Scholarship

**Type:** Virtual Panel

**Sponsor Group(s):** AAG JEDI Committee

**Primary Organizer:** Caroline Nagel,

**Primary Session Chair(s):** Mia White *The New School*

**Date:** **Time:** - **Room:**

### Presentations (if applicable) and Session Agenda: