

American Association of Geographers (AAG) Annual Meeting
Detroit, March 24-28, 2025

Updated: 1/21/2025

Papers

3/24/2025

8:30 AM - 9:50 AM

[Assessing Community Resilience During Power Outages: A Spatial-Temporal Analysis Using Location-Based Services Data in Harris County.](#) Zeyu He

Link to Session: [Strengthening Community Resilience with Innovative Data, Techniques, and Models #1](#)

10:10 AM - 11:30 AM

[The Engineered Beach: Coastal Overdevelopment and the Impossibility of Adaptation in Florida.](#) Alan Wiig

Link to Session: [The production of urban adaptation 2: Infrastructure, materials, and labour](#)

[Land cover change analysis for conservation impact measurement in Niassa, Mozambique.](#) Jessica Striley

Link to Session: [Remote Sensing of the Physical Environment](#)

[Spatiotemporal clustering of dengue amidst steady human population decline in Puerto Rico, 2010-2023.](#)

Gavriella Hecht

Link to Session: [AAG 2025 Symposium on Spatial AI & Data Science for Sustainability](#)

12:50 PM - 2:10 PM

[Advancing Semantic Segmentation in Remote Sensing: A Comparative Analysis of CNNs and Transformer Models for Flood Detection.](#) Torit Chakraborty

Link to Session: [GeoAI and Deep Learning Symposium - Part III](#)

[Identifying Points of Interest \(POIs\) as sentinels for infectious disease surveillance: a COVID-19 study.](#)

Liang Mao

Link to Session: [Symposium on Human Dynamics Research](#)

[A Monte Carlo Approach to Quantify and Analyze Uncertainty in a Social Vulnerability Index.](#) Jawata

Afnan Saba

Link to Session: [Social Vulnerability, Community Resilience, and Disaster Equity and Justice - I](#)

2:30 PM - 3:50 PM

[Deep learning applications for investigating groundwater dynamics in Stellenbosch, South Africa.](#)

Bewuket Tefera

Link to Session: [GeoAI and Deep Learning Symposium](#)

[Dredge Disposal Landforms and Landscapes of Large Navigable River Corridors](#). Joann Mossa

Link to Session: [GeoAI and Deep Learning Symposium](#)

4:10 PM - 5:30 PM

[Drought Vulnerability in South America](#). Johanna Engström

Link to Session: [HRDSG Drought and Extreme Heat](#)

[RealPage's Reach: Coding the Geographies of Housing Market Collusion](#). Renee Tapp

Link to Session: [Decoding the Quantitative Turn in Critical Geography II](#)

[The biogeophysical effects of land cover change on climate extremes in the ABoVE domain](#). Shuai Li

Link to Session: [linkage of permafrost, land cover, and landform in cold regions](#)

[The Impact of Climate Extremes on Wind Power Development in the United States](#). Natalia Dambe

Link to Session: [HRDSG Drought and Extreme Heat](#)

3/25/2025

10:10 AM - 11:30 AM

[Uncovering the Backbone of U.S. Commuting Networks: Tract-Level Analysis of Commuting Patterns and Socio-Economic Dimensions](#). Jinpeng Wang

Link to Session: [Using GIS to solve Real World Problems](#)

[Authenticity of a destination promotional video affects viewers' physiological response](#). Andrei Kirilenko

Link to Session: [Symposium on Human Dynamics Research](#)

12:50 PM - 2:10 PM

[The role of authenticity orientation in the response to VR modalities: Tradition VS Hyper-reality](#). Tingjun Chen

Link to Session: [Symposium on Human Dynamics Research](#)

[Exploring Emotional Boundaries and Ambiguity in Anthropomorphized AI Interactions](#). Yeonsoo Jo

Link to Session: [Symposium on Human Dynamics Research](#)

[A multi-scaled phylogeographic analysis of Bacillus anthracis outbreaks in Northern Vietnam, 2008-2023](#)

Morgan Metrailler

Link to Session: [Geographical Approaches to Disease Ecology: Theory, methods, and applications 1](#)

[Management Implications of increasing suitability risk for West Nile Virus transmission in Florida with climate and population change](#). Sadie Ryan

Link to Session: [Geographical Approaches to Disease Ecology: Theory, methods, and applications 1](#)

2:30 PM - 3:50 PM

[Island geopolitical ecologies: The spatial politics of creating territory in the Indian Ocean](#). Neha Kohli

Link to Session: [Engaging Critical Geopolitical Ecology II](#)

[Flash Flood Warning Issuance Associated with Tropical Cyclones Near the Contiguous United States Coast](#)
Zainab Ali

Link to Session: [HRDSG Adapting Recovery and Warning Systems](#)

[Here not there: Modeling anthrax risk at high resolution using wildlife case data and Landsat 8 derived covariates for the Texas Anthrax Triangle.](#) Jason Blackburn

Link to Session: [Geographical Approaches to Disease Ecology: Theory, methods, and applications 2](#)

4:10 PM - 5:30 PM

[The Alachua County Community Remembrance Project: Co-creating More Truthful Heritage Landscapes](#)
Jacque Micieli-Voutsinas

Link to Session: [Memory as a Catalyst for Change III: Resilience, Remembrance, and Reckoning](#)

3/26/2025

8:30 AM - 9:50 AM

[Composite Red Tide Vulnerability Index \(CRTVI\): Assessing and Communicating Socio-Economic Vulnerability of Coastal Communities to Red Tide in Florida.](#) Kevin Ash

Link to Session: [Coastal landscapes in transition 1](#)

[Global trends in the declining capacity of coastal habitats to provide cultural ecosystem services.](#) Haojie Cao

Link to Session: [Coastal landscapes in transition 1](#)

12:50 PM - 2:10 PM

[Measuring Neighborhood Connectivity and Racial Homophily in Urban Encounter Networks: Insights from Mobile Phone Location Data.](#) Yue Jing

Link to Session: [The Interesting Data and Methods Session I](#)

[Navigating the 15-Minute City: Fast Policy and Urban Politics in Busan, South Korea.](#) Hyunjin Cho

Link to Session: [Chasing new horizons](#)

[Modalities of Virtual Tourism in a VR Museum: A Comparative Study of Hyper-Reality and Traditional VR Experiences.](#) Andrei Kirilenko

Link to Session: [Symposium on Human Dynamics Research](#)

2:30 PM - 3:50 PM

[Miami's Million Tree Odyssey: A 23-Year Story of Greening, Growing, and Resilience.](#) Anusha Chaudhary

Link to Session: [Geospatial Health Research Symposium 9 - Greenspace & Health](#)

4:10 PM - 5:30 PM

[Graduate Migration and Urban Attractiveness: A Spatial Perspective on Chinese Cities.](#) Yuzhou Chen

Link to Session: [Transforming Cities: Talent Migration, Innovation, and Inclusive Urban Growth](#)

3/27/2025

10:10 AM - 11:30 AM

[Addressing Spatial Variability of Uncertainties Across DEMs of Difference Derived from Historical Topographic Maps and Modern Lidar Datasets.](#) Briar Pierce

Link to Session: [Cultural and Historical Geographies Poster Session](#)

[Does local context matter for case-based environmental education?](#) Ryan Good

Link to Session: [Geography Education Poster Presentation](#)

12:50 PM - 2:10 PM

[Unraveling hurricane Ian's Impact: A multiscale analysis of mobility networks in Florida.](#) Yujie Hu

Link to Session: [GeoAI and Deep Learning Symposium: GeoAI for Spatial Analytics and Modeling](#)

[Quantifying moisture distributions around hurricanes in the Atlantic basin.](#) Corene Matyas

Link to Session: [Hurricanes 1. Climatology](#)

[Assessing Spatial Patterns of Dengue Incidence in Nepal in 2022 and 2023: A Local Indicator of Spatial Association \(LISA\) Approach.](#) Simrik Bhandari

Link to Session: [Geospatial Health Research Symposium 13 - Environment & Disease](#)

2:30 PM - 3:50 PM

[Comparative Analysis of IMERG, MSWEP, and PERSIANN-CDR Datasets in Capturing Tropical Cyclone Rainfall Patterns in the North Indian Ocean.](#) Airin Akter

Link to Session: [Hurricanes 2. Risk and recovery.](#)

4:10 PM - 5:30 PM

[A Political Ecological Exploration of the Caracol Road Project: "Sustainable" Development in the Cayo District, Belize.](#) Lorenzo Pantano

Link to Session: [Resilience in Critical Tourism Geographies](#)

3/28/2025

8:30 AM - 9:50 AM

[A Spatial Social Network Approach to the Diffusion of Political Violence.](#) David Russell

Link to Session: [Social Networks 1](#)

[Gender differences in governance participation and engagement in Namibian conservancies.](#) Aaron King

Link to Session: [Gender and Environmental Issues](#)

[Ethiopia's Evolving Landscape: The Socio-ecological Impacts of Land Tenure, Land-use, and Land Cover Change.](#) Audrey Smith

Link to Session: [Innovative Geographies 1: International](#)

[It's Getting Hot in Here: Spatial Impact of Humidity on Heat Wave Severity in the U.S.](#) David Keellings

Link to Session: [HRDSG Influences upon Vulnerability Distribution](#)

10:10 AM - 11:30 AM

[Conflicts and Transport Infrastructure in North and West Africa](#). Olivier Walther

Link to Session: [Armed Conflicts and Transport Infrastructure](#)

12:50 PM - 2:10 PM

[Mosquitoes & Haiti: Modelling mosquito distribution and examining mosquito diversity under current and future climate scenarios](#). Ian Pshea-Smith

Link to Session: [GIScience Advances in Climate Change and Environmental Health - I](#)

2:30 PM - 3:50 PM

[Spatio-Temporal Dynamics of Accessibility to Critical Facilities During Hurricane Event Using Mobile Phone GPS Data](#). Md. Shaharier Alam

Link to Session: [Jeanne X. Kasperson Award Winners 1](#)

[Ecological and Social Fragmentation: Road Networks in U.S. National Parks and Forests](#). Katie Anderson

Link to the session: [National Parks and Protected Areas Research](#)

Posters

3/25/2025

10:10 AM - 11:30 AM

[“Fracturing Ecological Frameworks”: Fragmentation characteristics of sandhill and scrub habitats within the Florida Wildlife Corridor versus outside, between 1995, 2004, and the present](#) Mason Theurer

Link to Session: [Physical Geography](#)

[Uncovering the Backbone of U.S. Commuting Networks: Tract-Level Analysis of Commuting Patterns and Socio-Economic Dimensions](#) Jinpeng Wang

Link to Session: [Using GIS to solve Real World Problems](#)

3/27/2025

10:10 AM - 11:30 AM

[Addressing Spatial Variability of Uncertainties Across DEMs of Difference Derived from Historical Topographic Maps and Modern Lidar Datasets](#) Briar Pierce

Link to Session: [General Geomorphology Poster Session](#)

[Does local context matter for case-based environmental education?](#) Ryan Good

Link to Session: [Geography Education Poster Presentation](#)