

Session Program

Oct 22 - 24, 2025

AGX Applied Geography Conference 2025: Geographic Confluences

Paper Session

T-REX

911 Washington Ave #500, St. Louis, MO 63101

Thu, October 23

8:30 AM

Paper Session: Spatial Analytics and Geovisualization

Session | **Location:** T-REX, 911 Washington Ave #500, St. Louis, MO 63101 | **Convener:** Yijie Zhu

08:30 – 08:50

Represent Tropical Cyclone Wind Impact Areas from Wind Radii at Discrete Center Points in the National Hurricane Center HURDAT2

Speaker

Dr Yijie Zhu

08:50 – 09:10

New Construction Activity Detection and Classification via Satellite Imagery and Machine Learning

Speakers

Doren Walker, Dwarakh Nayam, LEI PENG

09:10 – 09:30

Sensemaking in Protected Areas: Task-Based Research Using a Geovisualization Tool

Speaker

Dr Wendy Zeller Zigaitis

09:30 – 09:50

Mapping Influence: GIS Reconstruction of Nicholas Jarrot's Estate in Early 19th-Century Cahokia

Speaker

Stacey Brown Amilian

9:50 AM

10:00 AM

Paper Session: Climate, Environment, and Geomorphology

Session | **Location:** T-REX, 911 Washington Ave #500, St. Louis, MO 63101 | **Convener:** Chris Badurek

10:00 – 10:20

Calculating Scope 3 Emissions using Campus Study Abroad Air Travel Data and Web GIS

Speaker

Dr Christopher Badurek

10:20 – 10:40

Towards Weather Information Fusion Framework for Climate-Resilient Smallholder Agriculture

Speaker

Dr Daniel Waktola

10:40 – 11:00

Local environmental responses to regional climatic changes during the Holocene: a case study from Palmetto State Park, Texas

Speaker

Amanda Barney

11:00 - 11:20

Quantification of social vulnerability to power outage: PCA-AHP Vs. SoVI and CDC SVI

Speaker

Qingmin Meng

11:20 AM

Fri, October 24

9:10 AM

Paper Session: Geographies of Well-Being, Education, and the Built Environment

Session | **Location:** T-REX, 911 Washington Ave #500, St. Louis, MO 63101 | **Convener:** Yehua Dennis Wei

09:10 – 09:30 Geographies of Mortality Inequality

Speaker

Prof. Yehua Dennis Wei

09:30 – 09:50

Spatiotemporal patterns of COVID-19 cases and deaths in Oklahoma and preparing for the next pandemic

Speaker

Jonathan Comer

09:50 – 10:10 Disparity in Perceptions of OER in Geography Courses

Speaker

Jia Lu

10:10 – 10:30

Policy Change in Ohio: How Failure-to-Pay Driver's License Suspensions Disappeared... in Seven Short Years

Speaker

Brian Mikelbank

10:30 – 10:50

How Students Can Apply "The Ten Steps of Walkability" to Evaluate Any Downtown

Speaker

Susan Hume

10:50 AM

1:30 PM

Paper Session: Urban and Economic Transformations

Session | **Location:** T-REX, 911 Washington Ave #500, St. Louis, MO 63101 | **Convener:** Tom Dwyer

13:30 – 13:50

Retail Portfolio Disposition Insights Offered by a Bankrupt Regional Retailer's Liquidation

Speaker

Mr Tom Dwyer

13:50 – 14:10

School-gentrifying community in the making in China: A case of study of Liwang Community in Changchun

Speaker

WEI SONG

14:10 – 14:30

The best of times, the worst of times: the department store reshuffle in Canada

Speaker

Tony Hernandez

14:30 - 14:50

Geographic Analysis of Texas SB 840's Impact on Urban Development Rights and Potential Future Housing Market Development

Speaker

Sean Crotty

2:50 PM