



# THURSDAY

October 10, 2024

## 9:00 REGISTRATION

### Session 1

- 10:00 Rally folks to the Conference and Welcome Message from President  
David Hansen, President of MAST
- 10:10 Enhancing Workflow Efficiency by Integrating Model Builder and Custom Scripts  
Heather Nicholson, GEO Jobe
- 10:30 Catfish Data Solutions with ArcGIS Dashboards  
Reid Lambden, The Geospatial Group
- 10:50 Fundamental GIS Data Quality Requirements for NG9-1-1: Going Beyond the Standards  
Sandi Stroud, 1Spatial
- 11:10 Building the 3D Hydrography Program (3DHP) for the Upper Pearl HUC8 in Mississippi: A Case Study  
Clinton Russell, Jr. and Tracey Foster Milton, Waggoner
- 11:30 Web Scraping and the Wayback Machine: Using Internet Archives and Geoanalytics to Assess National Industry Change  
Kayla Stan and Nina Kallaus, USM
- 11:50 Break - Sponsored by Waggoner Engineering and The Geospatial Group

## 12:00 LUNCH - Sponsored by GEO Jobe and The GEO Project

### Session 2

- 1:00 ArcGIS for Microsoft 365  
Zena Pelletier, ESRI
- 1:15 ArcGIS Business Analyst: Best Practices Using Artificial Intelligence, Demographic Data, and More  
Zena Pelletier, ESRI
- 1:30 ArcGIS Online and ArcGIS Enterprise: An Overview of Smart Mapping  
Zena Pelletier, ESRI
- 1:45 An Overview of ArcGIS Workflow Manager  
Zena Pelletier, ESRI
- 2:00 Break - Sponsored by Esri

### Session 3

- 2:20 A Comparative Machine Learning Approach Integrating UAV and Multispectral Imagery for Classifying Fractional Vegetation Cover in Rangelands  
Nishat Shermin, MSU



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- 2:40 Mapping the Luminous Intrusion: A Nationwide Emerging Bivariate Cluster Analysis of Nighttime Light's Intervention on Bat Habitats over 30-years  
Nafiz Rahaman, MSU
- 3:00 Developing Flood Analysis Applications Using ESRI ArcGIS Solutions  
Amelia Adams and Andrew Milanese, ES<sup>2</sup>
- 3:20 Statewide Imagery Programs: Examining the Pros and Cons of Conventional, (COTS), and Hybrid Approaches  
Jeff Lovin, Woolpert
- 3:40 Break - Sponsored by ES<sup>2</sup> and The University of Southern Mississippi

#### **Session 4 - KEYNOTE**

- 4:00 Planting the Seeds to Ensure that GIS has a Future  
Joseph Kerski, Esri
- 5:00 President Comments and Dismiss  
David Hansen, President of MAST

**SOCIAL: 5:30 PM - 7:30 PM** - Sponsored by GEO Jobe and The GEO Project

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**FRIDAY**  
October 11, 2024

**9:30 BREAKFAST** - Sponsored by GEO Jobe

#### **Session 5**

- 10:30 Integrating GPS Routes and GoPro Footage for Seamless Tracking and Review  
Skyler Favors, GEO Jobe
- 10:50 Global Explorer: A GIS Tool for Travelers  
William Bradford, GEO Jobe
- 11:10 Don't Quit Your Day Job... Yet: How Large Language Models Can Help You, Not Replace You  
Clayton Cooley, Cooperative Energy
- 11:30 GIS Council State of the State  
Steve Gray, Chair of the GIS Council
- 11:50 Awards Presentation, Door Prizes, and Dismissal
- 12:00 Board Meeting