

**PROGRAM**  
**79<sup>th</sup> Annual Meeting**  
**of the Southeastern Division of the AAG**



**Hosted by**  
**Furman University**  
**November 23-25, 2024**  
**Greenville, South Carolina**

## **SEDAAG Sponsors**

American Association of Geographers

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The Shi Institute for Sustainable Communities

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University of Kentucky Department of Geography

University of North Alabama Department of Geoscience

University of North Carolina at Chapel Hill

University of North Carolina at Greensboro

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## **SEDAAG Executive Committee**

**President:** Selima Sultana, University of North Carolina, Greensboro

**Vice President:** Amy Potter, Georgia Southern University

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## **SEDAAG Steering Committee**

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**Florida:** David Keellings, University of Florida

**Georgia:** Helen Rosko, Georgia Southern University

**Kentucky:** Bethany Craig, University of Kentucky

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**Student Representative:** Jessica Flach, University of South Carolina

## **2024 SEDAAG Program Committee**

**Program Chair:** Amy Potter, Georgia Southern University

**Members:** SEDAAG Executive Committee; Phillip Schmutz, University of West Florida

## **2024 SEDAAG Local Arrangements Committee**

Suresh Muthukrishnan, Furman University

Geoffrey Habron, Equitable Community Resilience LLC

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**President:** Patricia Ehrkamp, University of Kentucky (2024-2025)

**Vice President:** William Moseley, Macalester College

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**Past President:** Rebecca Lave, Indiana University

**Executive Director** Gary Langham, American Association of Geographers

**Southeastern Regional Division Councilor** Heidi Lannon, Santa Fe College

## **SEDAAG Honors Committee**

**Chair** Michael Ewers, UNC Charlotte

**Committee Members** Michael Ewers, UNC Charlotte; Jonathan Kozar, Marshall University; Ingrid Luffman, East Tennessee State University; Saeideh Gharehchahi, Jacksonville State University; Gabe Schwartzman, University of Tennessee; Maegen Rochner, University of Louisville

## **World Geography Bowl Committee**

**Director:** Dawn M. Drake, University of Oklahoma

**Question Writers:** Tom Bell, University of Tennessee, Knoxville; Ethan Bottone, Northwest Missouri State University; Jamison Conley, University of West Virginia; Dennis Edgell, University of North Carolina, Pembroke; Margaret Gripshover, Western Kentucky University; Joshua Hodge, University of Tennessee, Chattanooga; Jeff Neff, Western Carolina University; Lee Ann Nolan, University of West Virginia; Michael Pretes, University of North Alabama; Caleb Smith, Jones College; Jack Swab, University of Tennessee, Knoxville; Chase Womack, University of North Carolina, Greensboro

**Editing Sub-Committee:** Tom Bell, University of Tennessee, Knoxville; Dawn M. Drake, University of Oklahoma; Jeff Neff, Western Carolina University; and Michael Pretes, University of North Alabama

**Mentoring Sub-Committee:** Jamison Conley, University of West Virginia; Darren Purcell, University of Oklahoma; Lee Ann Nolan, University of West Virginia

**Moderators:** Dawn Bowen, Mary Washington University; Jamison Conley, University of West Virginia; Paul McDaniel, Kennesaw State University; and Chase Womack, University of North Carolina Greensboro

**Judges:** Shane Canup, University of North Carolina, Greensboro; Joshua Hodge, University of Tennessee, Chattanooga; Criss Smith, Clemson University; Caleb Smith, Jones College; and Carol Samuelson, University of North Alabama

**Scorekeepers:** Ethan Bottone, Northwest Missouri State University; Ingrid Luffman, East Tennessee State University; Mark Sciuchetti, Jacksonville State University; Ronald Schumann, University of North Texas

**Master Scorekeeper** Lee Ann Nolan

**Team Coordinators:**

**Alabama:** Matthew Balentine, University of North Alabama

**Kentucky:** Sarah Fogel, University of Kentucky

**Virginia:** Dawn Bowen and Joe Nichols, University of Mary Washington

**Finals Round Volunteers**

**Moderator:** Dawn M. Drake, University of Oklahoma and Jamison Conley, University of West Virginia

**Scorekeeper:** Lee Ann Nolan, University of West Virginia

**Judges:** Shane Canup, University of North Carolina – Greensboro; Joshua Hodge, University of Tennessee – Chattanooga; Chase Womack, University of North Carolina, Greensboro

**Dream Team**

Representing SEDAAG – Selima Sultana, SEDAAG President, University of North Carolina, Greensboro

Representing AAG – Rebecca Lave, AAG Past President, Indiana University

Representing the WGB family – Jamison Conley, University of West Virginia

Representing the Home Team – Geoffrey Habron, Equitable Community Resilience

Representing our 2026 Hosts – Matthew Therrell, University of Alabama

Representing the WGB family – Joshua Hodge - University of Tennessee - Chattanooga

# PROGRAM AT A GLANCE

| Saturday, Nov. 23 |                                    |                 |
|-------------------|------------------------------------|-----------------|
| Time              | Event                              | Location        |
| 6:00 am – 7:30 pm | <b>Executive Committee Meeting</b> | Director's Room |

| Sunday, Nov. 24     |                                                                                                                                                                                                                                                                                                                                                                            |                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Time                | Event                                                                                                                                                                                                                                                                                                                                                                      | Location                   |
| 8:00 am – 7:00 pm   | <b>Registration is open all day</b>                                                                                                                                                                                                                                                                                                                                        | Lobby Atrium               |
| 8:30 am – 11:00 am  | <b>Steering Committee Meeting &amp; Breakfast</b>                                                                                                                                                                                                                                                                                                                          | Teal Ballroom              |
| 9:00 am – 1:00 pm   | <b>Fieldtrip:</b> Geology and Geomorphology, and Helene and Landslides in the Carolinas                                                                                                                                                                                                                                                                                    | Main Entrance              |
| 10:00 am – 2:00 pm  | <b>Walking Tour:</b> Changing Urban Dynamics of Place in Greenville: Black Geographies and Socio-Environmental Resilience                                                                                                                                                                                                                                                  | Main Entrance              |
| 11:00 am – 11:45 am | <b>World Geography Bowl Registration</b>                                                                                                                                                                                                                                                                                                                                   | Regency C                  |
| 11:40 am            | <b>World Geography Bowl Orientation</b>                                                                                                                                                                                                                                                                                                                                    | Regency C                  |
| 12:00 pm – 3:30 pm  | <b>World Geography Bowl Round Robin Competition</b> (winning teams and all-star team announced immediately following conclusion of Round Robin Competition)                                                                                                                                                                                                                | Regency C, DD2EE2, F, G, H |
| 3:00 pm – 4:00 pm   | <b><i>Southeastern Geographer</i> Social Event</b>                                                                                                                                                                                                                                                                                                                         | Studio 220 Gallery A       |
| 4:00 pm – 6:00 pm   | <b>Paper and Poster Sessions</b>                                                                                                                                                                                                                                                                                                                                           | See Program                |
| 6:00 pm – 6:45 pm   | <b>Welcome and Keynote</b><br>Dr. Beth Pontari, Provost of Furman University;<br>Dr. Andrew Predmore, Director of Shi Institute for Sustainable Communities<br><br>Keynote: Dr. Budhendra Bhaduri, Director of Science, Programs, and Partnerships, National Security Sciences, Oakridge National Laboratory<br><br><i>Topic: GeoAI, HPC, and Geospatial Digital Twins</i> | Regency C                  |
| 6:45 pm-7:45 pm     | <b>Reception</b>                                                                                                                                                                                                                                                                                                                                                           | Regency A/B                |

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**Monday, Nov. 24**

| <b>Time</b>        | <b>Event</b>                                                                                                                                                                                                                                              | <b>Location</b>   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 8:00 am – 1:00 pm  | <b>Registration</b>                                                                                                                                                                                                                                       | Prefunction Area  |
| 7:00 am – 7:45 am  | <b>Meet and Greet: Coffee hour for First Time SEDAAG attendees (all members are encouraged to attend)</b>                                                                                                                                                 | Prefunction Area  |
| 7:50 am – 5:10 pm  | <b>Panel, Paper, and Poster Sessions</b>                                                                                                                                                                                                                  | See Program       |
| 8:00 am – 4:00 pm  | <b>Southeastern Geographer Photo Competition</b>                                                                                                                                                                                                          | Prefunction Area  |
| 12:00 PM – 1:00 pm | <b>Young Professionals Lunch<br/>(group members only)</b><br>Keynote: Dr. Budhendra L. Bhaduri<br>Corporate Research Fellow<br>Director of Science, Programs, and Partnerships<br>National Security Sciences Directorate<br>Oak Ridge National Laboratory | Teal Ballroom     |
| 5:15 PM – 6:00 pm  | <b>SEDAAG Business Meeting</b>                                                                                                                                                                                                                            | Teal Ballroom     |
| 6:00 PM – 7:15 pm  | <b>World Geography Bowl Championship</b>                                                                                                                                                                                                                  | Regency C         |
| 7:30 PM – 9:30 pm  | <b>Honors Banquet and Plenary Address</b><br>Rebecca Lave, Past AAG President<br><br><i>Topic: Reciprocal Scholarship</i>                                                                                                                                 | Regency D/E/F/G/H |

# Sunday

# November 24

## 3:00 pm – 4:00 pm

### *Southeastern Geographer Social Event*

### Location: Studio 220 Gallery A

## 4:00 pm – 6:00 pm

### Panel, Paper and Poster Sessions

Each paper time slot is 15 minutes long: 12 minutes for the paper presentation followed by 3 minutes of audience/presenter discussion. Please respect the chairperson's time cues.

#### Poster Session

Location: Regency A/B

#### Undergraduate Poster Session – Human Geography

Organizers: Sponsored by SEDAAAG Education Committee

Chair: Jennifer Rahn, Samford University

|                                                                                                                          |                                                                              |                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Are Latinx Communities Vulnerable to Toxic Releases in Atlanta?                                                          | Aaron Pacheco                                                                | Georgia State University                                                                             |
| Race and Superfund Sites in North and South Carolina: A Geospatial Analysis of Environmental Injustice                   | Nico Markle<br>Sarah Jackson                                                 | Western Carolina University<br>Western Carolina University                                           |
| Student Perspectives on Wicked Problems in Interdisciplinary STEM Education                                              | Chloe Seifert<br>Ryan Z. Good<br>Katherine A. Serafin<br>Gabriela Hamerlinck | University of Florida<br>University of Florida<br>University of Florida<br>University of Florida     |
| Compactness Analysis of Metrics for Evaluating District Compactness                                                      | Lehan Zhao<br>Dave Soule                                                     | University of Richmond<br>University of Richmond                                                     |
| Mapping History: The 1936 Presidential Election in Virginia                                                              | Anders L. Barretta                                                           | University of Mary Washington                                                                        |
| Contested Boundaries: Resident Perceptions and the Shrinking of Historic Jackson Ward                                    | Kalkidan T Lina                                                              | University of Richmond                                                                               |
| Spatial and Temporal Analysis of Roadway Incidents and Fatalities in Greenville and Spartanburg Counties, South Carolina | Niveya Henley<br>Suresh Muthukrishnan                                        | Furman University<br>Furman University                                                               |
| An Initial Exploration of Relationships between Lyme Disease and Extraction in Pennsylvania                              | Carter Mikita<br>Korine Kolivras                                             | Virginia Tech<br>Virginia Tech                                                                       |
| Exploring Boundary Spanning and Cross-Sector Collaboration of Sustainability Leaders in South Carolina                   | Bendor Shallow<br>Courtney Quinn                                             | Furman University<br>Furman University                                                               |
| Community Wealth Building and the Degrowth Transition                                                                    | Michael Ross<br>C. Brannon Andersen                                          | Furman University<br>Furman University                                                               |
| "It's a little place, but really O.K.": Historical Tourism Geographies of Statesboro, Georgia                            | Thomas Bailey<br>Amy Potter<br>Helen Rosko                                   | Georgia Southern University<br>Georgia Southern University<br>Georgia Southern University            |
| Supporting Athens Tenants through Spatial Analysis                                                                       | Logan Wiley<br>Jerry Shannon<br>Jess Martinez                                | University of Georgia<br>University of Georgia<br>University of Georgia                              |
| The Effects of Facilitatory and Regulatory Policy on Data Center Development and Sustainability in Virginia.             | Wenyi Liu<br>Sydney Cassady<br>Kyle Redican                                  | University of Richmond<br>University of Richmond<br>University of Richmond<br>University of Richmond |

|                                                                                  |                                                               |                                                                                              |
|----------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|                                                                                  | Mary Finley-Brook<br>Kyle Jenkins                             | University of Richmond                                                                       |
| Exploring the Potential Relationship between Census Demographic and Music Events | Shaoting Wen<br>Kyle Redican<br>Andy McGraw                   | University of Richmond<br>University of Richmond<br>University of Richmond                   |
| Recommendation to Expand Community Solar in South Carolina                       | Jada Bollmeyer<br><br>Zoe Baker<br><br>Kejsi Gjini            | University of South Carolina<br>University of South Carolina<br>University of South Carolina |
| Water Utility Customer Assistance Programs in South Carolina                     | Madison Nordberg                                              | University of South Carolina                                                                 |
| Investigation of Voluntary Energy Efficiency Programs in South Carolina          | Tremayne Ansani<br><br>Ella Michel<br><br>Tina-Maria Sandoval | University of South Carolina<br>University of South Carolina<br>University of South Carolina |
| Foliage, Climate, and Tourism in Acadia National Park                            | Julia Norton<br>Ryan Poulsen<br>Steph Spera                   | University of Richmond<br>University of Richmond<br>University of Richmond                   |

## Paper Session

Location: Regency F

### Contested Terrains: Human and Environmental Entanglements in Changing Landscapes

Chair: Kwame Owusu-Daaku, University of West Florida

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|------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4:00 | Eaten Away by Erosion: The Erasure of the Coloniality of the Kongenstein and Prinzenstein Forts in the Volta River Delta of Ghana? | Josiah Tawiah<br>Kwame Owusu-Daaku<br>Nelson Kowu                                                                                                                                                                                 | University of West Florida<br>University of West Florida<br><br>University of South Carolina                                                                                                                                                                                                                                                  |
| 4:15 | Rural migration under climate and land systems change                                                                              | Andrea E. Gaughan<br>Jonathan Salerno<br>Rekha Warrior<br>Randall Boone<br>Forrest R. Stevens<br>Patrick W. Keys<br>Lazaro Johana<br>Mangewa<br>Felister Michael<br>Mombo<br>Alex de Sherbinin<br>Joel Hartter<br><br>Lori Hunter | University of Louisville<br>Colorado State University<br>Colorado State University<br>Colorado State University<br>University of Louisville<br>Colorado State University<br>Sokoine University of Agriculture<br>Sokoine University of Agriculture<br>Columbia University<br>University of Colorado Boulder<br>University of Colorado Boulder |
| 4:30 | Sharing the Shore: Competition for Shade among Galapagos Sea Lions and Humans                                                      | Madeline Giefer                                                                                                                                                                                                                   | Austin Peay State University                                                                                                                                                                                                                                                                                                                  |
| 4:45 | Production without Protection: The Ada Sea Defense System and Adaptation Subjectivity in Totopé, Ghana                             | Amanda Post<br>Kwame Owusu-Daaku                                                                                                                                                                                                  | University of West Florida<br>University of West Florida                                                                                                                                                                                                                                                                                      |

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|------|-----------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------|
| 5:00 | The Changing Political Landscape of Environmentalism in the United States   | Michele Abee<br>Matthew Balentine | Bellarmino University<br>University of North Alabama |
| 5:15 | Socio-economic and environmental tradeoffs of Energy Transition in Kentucky | Sydney Oluoch                     | University of Northern Kentucky                      |

### Paper Session

Location: Regency G

### Geography Education and Experiential Learning

Chair: Rafael Harun, Tennessee State University

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|------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 4:00 | Cloud Geographies: Place-based Education in a Data Center Hotspot                                                                      | Mary Finley-Brook                                                    | University of Richmond                                                                                       |
| 4:15 | Going beyond the classroom: hydrology field studies as community engaged learning opportunities                                        | Ingrid Luffman<br>Rezaul Bari Ishan                                  | East Tennessee State University<br>East Tennessee State University                                           |
| 4:30 | On revising the Atlas of South Carolina: Reflections and lessons for geography education                                               | Michael Mewborne<br>Austin Crane                                     | University of South Carolina<br>University of South Carolina                                                 |
| 4:45 | Examining the Intersection of Urban Development and Housing Affordability for Students at Historically Black Colleges and Universities | Rafael Harun<br>Kenneth Chilton                                      | Tennessee State University<br>Tennessee State University                                                     |
| 5:00 | Human Geography in the Post-Pandemic Era: A New Chapter from a Textbook Author                                                         | Todd Lindley<br>David Dorrell<br>Joseph Henderson<br>Georgeta Connor | Georgia Gwinnett College<br>Georgia Gwinnett College<br>Georgia Gwinnett College<br>Georgia Gwinnett College |
| 5:15 | Textbooks - Placebo or Panacea for Real Teaching in Introductory Geography Courses?                                                    | Travis Bradshaw                                                      | Liberty University                                                                                           |

### Paper Session

Location: Regency H

### Advancing Transportation and Mobility: Data Integration, Equity, and Emerging Technologies

Chair: Sicheng Wang, University of South Carolina

|      |                                                                                                               |                                             |                                                              |
|------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------|
| 4:00 | Big Mobility Methods and Critical Geospatial Integration                                                      | Laurel Sparks                               | University of Kentucky                                       |
| 4:15 | Assessing the Capabilities of Large Language Models in GTFS Data Analysis and Scenario-Based Transit Planning | Sandesh Sharma<br>Dulal<br>Junghwan Kim     | Virginia Tech<br>Virginia Tech                               |
| 4:30 | Understanding the temporal and spatial trend of work-at-home in the United States                             | Sicheng Wang<br>Mohammed Iddrisu<br>Kambala | University of South Carolina<br>University of South Carolina |
| 4:45 | An examination of the effect of external factors on zero-emission vehicle adoption in the United States       | Yong-Jin Lee<br>Isabelle Nilsson            | UNC Charlotte<br>UNC Charlotte                               |

|      |                                                                                                                 |                                |                                                              |
|------|-----------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------|
| 5:00 | Addressing Transportation Inequities and Urban Renewal in Knoxville, Tennessee Through Reconnecting Communities | Sophia Jodoin<br>Nikki Luke    | University of Tennessee<br>University of Tennessee           |
| 5:15 | Perceptions, Concerns and Attitudes Towards Energy Transition in Kentucky                                       | Nirmal Pandit<br>Leticia Munoz | Northern Kentucky University<br>Northern Kentucky University |

#### Panel Session

Location: Gardenia

#### **Bowling for All: A Town Hall with the SEDAAG and AAG World Geography Bowl Directors**

Organizer: Dawn Drake, University of Oklahoma

Panelists: Dawn Drake, University of Oklahoma (Moderator); Jamison Conley, University of West Virginia; Paul McDaniel, Kennesaw State University

Session Description: This panel provides an opportunity for interested individuals to ask questions and offer suggestions to the directors of the SEDAAG and AAG World Geography Bowl. This session is designed as a non-confrontational forum, encouraging open dialogue and welcoming all voices interested in the future direction of the World Geography Bowl.

#### Panel Session

Location: Magnolia

#### **Advancing Women in Geography: Mid-Career Faculty to Leadership**

Organizer: Selima Sultana, UNC Greensboro; Lynn Resler, Virginia Tech, and Joann Mossa, University of Florida

Moderator: Selima Sultana, UNC Greensboro

Panelists: Katherine Hankins, Georgia State University; Hilda Kurtz, University of Georgia; Joann Mossa, University of Florida; Caroline Nagel, University of South Carolina; Kavita Pandit, Georgia State University; Lynn Resler, Virginia Tech

Session Description: This panel reflects on the past and present status of women in the traditionally male-dominated discipline of Geography and discusses strategies to promote the professional advancement of women in the field. The panel focuses on three key areas:

- Gender-specific challenges at later-career stages.
- Their importance and relevance to both individuals and the discipline.
- Strategies for advancing mid-level career women into senior-level positions, such as transitioning from full professor to significant leadership roles.

#### Panel Session

Location: Crepe Myrtle

#### **SEDAAG Meets SEC – Critical Geographies of Southern College Sports**

Organizer: Katrina Stack, University of Tennessee-Knoxville; Josh Merced, Northern Arizona University

Panelists: Katrina Stack, University of Tennessee-Knoxville (Moderator); Josh Merced, Northern Arizona University (Moderator); Jed DeBruin, Jacksonville State University; Sarah Fogel, University of Kentucky; Jessica Flach, University of South Carolina; Nick Grondin, University of Tampa

Session Description: This panel will explore the complex political, cultural, and economic landscapes of university sports, specifically in the Southeastern United States. The discussion will delve into how these scholars navigate the challenges associated with the sporting culture at their institutions. Key topics will include the accessibility of tickets for students, controversies surrounding the naming of stadiums and mascots, and navigating the curiosities and critiques of game-day traditions such as music, dances, and chants.

Additionally, the panel will address how these emerging scholars balance the need to select graduate programs that align with their academic and career goals, while also considering the cultural and political reputations of these institutions. This conversation aims to provide insights into the lived experiences of these scholars and the broader implications of university sports on academic life and institutional politics.

**6:00 pm – 6:45 pm**

**Welcome Keynote**

**Location: Regency Ballroom C**

**“GeoAI, HPC, and Geospatial Digital Twins” by Dr. Budhendra “Budhu” Bhaduri**

Geospatial data and technologies have emerged to be a foundation component for mapping and managing our natural resources and built environments, as well as characterizing the human-environment interactions. With recent advancements in computational infrastructures, coupled with AI/machine learning approaches, we are able to explain the physical variability of the built environment and the human conditions that govern them. Geospatial Artificial Intelligence (GeoAI), coupled with high performance computing (HPC), has emerged as a key technology that brings tremendous opportunities for automation and augmentation of geospatial data and model development through analysis of remote sensed data. It provides the capability to generate geospatial data and information at unprecedented spatial resolution, accuracy, and temporal cadence. This in turn has enabled the development of geospatial digital twins which connects the physical and virtual worlds through data and provides the capability of “what-if” scenario analyses as well as verification of observed phenomenon at a higher cadence than is possible in the physical world alone. Careful application of machine learning and AI in conjunction with other disciplines like social science, community engagement, and policy analysis can play a crucial role in advancing environmental justice by providing valuable insights.

**6:45 pm – 7:45 pm**

**Welcome Reception**

**Location: Regency Ballroom  
A/B**

# Monday

# November 25

## 7:00 am – 7:45 pm

**Meet & Greet:**

**Coffee hour for First Time SEDAAG Attendees (all members are encouraged to attend)**

**Location: Prefunction Area**

## 7:50 am – 9:50 am

### Panel, Paper and Poster Sessions

Each paper time slot is 15 minutes long: 12 minutes for the paper presentation followed by 3 minutes of audience/presenter discussion. Please respect the chairperson's time cues.

#### Poster Session

Location: Regency A/B

#### Undergraduate Poster Session – Physical Geography

Organizers: Sponsored by SEDAAG Education Committee

Chair: Jennifer Rahn, Samford University

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|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tracking Elevation Changes for the Goleta Slide Using Hydrographic Surveying                           | Simon Tipton<br>James Gibson<br>Kayla Stan                                                                                               | University of Southern Mississippi<br>University of Texas<br>University of Southern Mississippi                                                                                                                                                      |
| Studying Vegetation Change at Crow's Nest Natural Area Preserve using Pollen Analysis                  | Hailey Cooke                                                                                                                             | University of Mary Washington                                                                                                                                                                                                                        |
| The Effects of Sandcastle Building on Coastal Sand Displacement                                        | Cassidy Damm                                                                                                                             | UNC Wilmington                                                                                                                                                                                                                                       |
| Comparing DEMs of a Hillslope Created Using Points Collected with Different GNSS Devices               | Lucy Martinez<br>Timothy Peters<br>Alex Brunson<br>Daniel Stepanskiy<br>Hayden Gilreath<br>Thomas Floystrop<br>Jacob Bateman<br>McDonald | University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia |
| Long-term Fire History from Sedimentary Charcoal in the Eastern Highland Rim of Tennessee              | Christian G. Rees<br>Sally P. Horn                                                                                                       | University of Tennessee<br>University of Tennessee                                                                                                                                                                                                   |
| Machine Learning to Better Understand Biodiversity Patterns Measured Through Passive Acoustic Sampling | Kara Justus<br>John Quinn                                                                                                                | Furman University<br>Furman University                                                                                                                                                                                                               |
| Analysis of Riparian Zone Modifications in the Coosa River Basin Using Remote Sensing                  | Rachel Barnfield<br>Gabby Hampton<br>Jonathan Fleming<br>Anthony Overton                                                                 | Samford University<br>Samford University<br>Samford University<br>Samford University                                                                                                                                                                 |
| Influence of Land Cover on E. Coli Contamination in the Coosa River Watershed                          | Gabby Hampton<br>Rachel Barnfield<br>Jonathan Fleming<br>Anthony Overton                                                                 | Samford University<br>Samford University<br>Samford University<br>Samford University                                                                                                                                                                 |

|                                                                                                                                   |                                                      |                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------|
| Post-fire Regrowth: Using Remote Sensing to Track the Forest Health of the Great Smoky Mountain National Park                     | Alex Johnston                                        | University of North Georgia                                                   |
| Mapping Historic Black Cemeteries across Central Virginia                                                                         | Gloria Kroodsmas<br>Stephanie Spera<br>Beth Zizzamia | University of Richmond<br>University of Richmond<br>University of Richmond    |
| Crop Intensification, Irrigation, and Rainfall in the Brazilian Cerrado; How Farmers Adapt to Climate-Induced Agricultural Limits | Charles Gorby<br>Stephanie A. Spera                  | University of Richmond<br>University of Richmond                              |
| Accuracy of Different GPS Data Collection Methods for Drone-Based Dune Research                                                   | Lucia Dillersberger<br>Phillip Schmutz               | University of West Florida<br>University of West Florida                      |
| Effects of Varying Transit Stop Environments on Air Quality and Heat Exposure: A Case Study in Little Rock                        | Isabella Gilbert<br><br>Alisa L. Hass                | Middle Tennessee State University<br>Middle Tennessee State University        |
| Disentangling the Effects of Climate Change on Fall Tourism in New England                                                        | Ryan Poulsen<br>Julia Norton<br>Stephanie Spera      | University of Richmond<br>University of Richmond<br>University of Richmond    |
| Climatology of Summer Tornadoes in the Southern United States                                                                     | Kaitlyn Ivey<br>Cooper Corey<br>Kelsey Ellis         | University of Tennessee<br>University of Tennessee<br>University of Tennessee |
| Influences of Landcover on Zooplankton Diversity and Community Structure in Central Alabama Ponds                                 | Liz Beaumont<br>Riley Lovejoy<br>Jonathan Fleming    | Samford University<br>Samford University<br>Samford University                |
| Survey and Interpretation of Fluvial Geomorphology in the Little Tallapoosa River Valley Carrollton, GA                           | Hayden Anderson<br>Andrew Ivester                    | University of West Georgia<br>University of West Georgia                      |
| Mapping Geothermal Energy Plants and their Utilization in Southwest Iceland                                                       | Erica Liller<br>Virginia Tech<br>Josh Starner        | Virginia Tech<br>Virginia Tech<br>Virginia Tech                               |
| Characteristic Differences Between "Blue Rings" in Englemann Spruce and Whitebark Pine from the Greater Yellowstone Ecoregion     | Isaac Grimm                                          | University of Louisville                                                      |
| Comparing the Climate-Growth Responses of Oak and Tulip Poplar Species in Bernheim Forest, Kentucky, USA                          | Jacob Brown                                          | University of Louisville                                                      |

### Special Paper Session

Location: Regency D

### Honors Student Paper Competition (Undergraduate, Masters, Doctoral)

Sponsor: SEDAAG Honors Committee

Chair: Michael Ewers, UNC Charlotte

|      |                                                                                                                                              |              |                         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| 7:50 | From Securing the Border to Securing Nature: Homeland Security as an Emerging Environmental Actor in the U.S.-Mexico Borderlands             | Rachel Arney | University of Georgia   |
| 8:05 | Changes in Patterns of Precipitation and Related Hazards in the Northeastern U.S.                                                            | Cooper Corey | University of Tennessee |
| 8:20 | Navigating Geographies of Exclusion: Reimagining Place and Identity through the Caribbean Student Association at the University of Tennessee | Brian Boyce  | University of Tennessee |
| 8:35 | Enhancing Public Health Insights Through Mobility Data Reconstruction: A BERT-Based Approach                                                 | Hao Yang     | University of Georgia   |

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|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------|
| 8:50 | Exhibit Space Activism: The Potential for Using Civil Rights Memory as a Catalyst for Change                                                                              | Katrina Stack   | University of Tennessee            |
| 9:05 | Using Terrestrial Laser Scanning to Evaluate the Impacts of Forestry Management Practices on the Understory Complexity of a Longleaf Pine Savanna in Southern Mississippi | Noah Williamson | University of Southern Mississippi |
| 9:20 | The Southern “Warming Hole” and Temporal Instability in Climate-Growth Relationships Across a New Tree-Ring Network, Kentucky, USA                                        | Jordan Sharp    | University of Louisville           |

### Special Paper Session

Location: Regency F

### Community-Engaged and Place-Based Geographies of Environmental Injustice and Vulnerability to Climate Change I

Organizers: Destiny Crockett, Mississippi State University; Katherine Hankins, Georgia State University; Dean Hardy, University of South Carolina; Richard Milligan, Georgia State University; Brian Williams, Mississippi State University

Chair: Richard Milligan, Georgia State University

Session Description: These sessions feature scholarship focused on community-engaged and place-based research addressing environmental injustices and uneven vulnerability to climate change. The scholars in this session are each part of large interdisciplinary teams working in specific regions with concern and commitment to address socio-environmental challenges facing underserved and disparately impacted communities.

|      |                                                                                                              |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:50 | The innovation of Atlanta’s Community-Soil-Air-Water (CSAW) learning ecosystem                               | Denzell Cross<br>Katherine Hankins<br>Sarah Ledford<br>Richard Milligan<br>Naurica Encarnación<br>Na’Taki Osborne<br>Jelks<br>Christina H. Fuller<br>Darryl Haddock                                                                                                                  | Georgia State University<br>Georgia State University<br>Georgia State University<br>Georgia State University<br>Georgia State University<br>Georgia State University<br>Spelman College<br><br>University of Georgia<br>West Atlanta Watershed Alliance                                                                                                                                                                                                                                                                          |
| 8:05 | Research, education, and outreach on climate change and adaptive resilience in the Yazoo - Mississippi Delta | Brian Williams<br>Shrinidhi<br>Ambinakudige<br>Monica Barra<br>Renee Clary<br>Destiny Crockett<br>Jamie Dyer<br>Boniface Fosu<br>Nolan Hansen<br>Md Shahnewaz<br>Hossain<br>Dean Hardy<br>Sarah Lalk<br>Nelson Kowu<br>Bianca Malkoc<br>Joe Mensah<br>Raja Reddy<br>Taylor Patterson | Mississippi State University<br>Mississippi State University<br><br>University of South Carolina<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>University of South Carolina<br>Mississippi State University<br><br>University of South Carolina<br>Mississippi State University<br>University of South Carolina<br>University of South Carolina<br>Mississippi State University<br>Mississippi State University<br>Mississippi Valley State |

|      |                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                                                                                                                                                              |
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|      |                                                                                                                                     | Hattie Spencer<br>Etienne Toussaint<br>Brett Violet<br>Serethra Ware<br><br>Fikriyah Winata                                                               | University<br>University of South Carolina<br>Mississippi State University<br>Mississippi Valley State<br>University<br>Texas A&M University                                                                                                                                                 |
| 8:20 | A Community-based Participatory Recreational Water Quality Monitoring Study at Glynn County                                         | Asli Aslan<br><br>Mary Thaler<br><br>Luke Roberson<br><br>Jacob Loveless                                                                                  | Georgia Southern<br>University<br>Georgia Southern<br>University<br>Georgia Southern<br>University<br>Georgia Southern<br>University                                                                                                                                                         |
| 8:35 | Co-Opting Environmental Justice? Preliminary Analysis of the U.S Army Corps' Yazoo Backwater Area Water Management Project          | Dean Hardy<br>Etienne Toussaint<br>Nolan Hansen<br>Bianca Malkoc<br>Nelson Kowu<br>Brian Williams<br>Destiny Crockett<br>Taylor Patterson<br>Monica Barra | University of South Carolina<br>University of South Carolina<br>University of South Carolina<br>University of South Carolina<br>University of South Carolina<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>University of South Carolina |
| 8:50 | Community organization and higher education partnerships to address chronic sewage contamination in Atlanta's South River Watershed | Naurica Encarnación<br>Sarah H. Ledford<br>Richard Milligan<br>Jacqueline Echols<br><br>Katherine Hankins<br>Denzell Cross                                | Georgia State University<br>Georgia State University<br>Georgia State University<br>South River Watershed<br>Alliance<br>Georgia State University<br>Georgia State University                                                                                                                |
| 9:05 | Climate Resilience and Recovery of Elder Residents among the Yazoo-Mississippi Delta Region                                         | Destiny Crockett<br>Fikriyah Winata<br>Hattie Spencer<br>Brian Williams<br>Shrinidhi<br>Ambinakudige                                                      | Mississippi State University<br>Texas A&M University<br>Mississippi Valley State<br>University<br><br>Mississippi State University                                                                                                                                                           |

## Paper Session

Location: Regency G

### Cultural Landscapes of the American South: Memory, Identity, and Place

Co-Chairs: LaToya Eaves, University of Tennessee; Jed DeBruin, Jacksonville State University

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|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 7:50 | Confederates in the Cul de Sac: Naming White Spaces in the Southern United States                                                                                               | George Towers<br><br>Pamela Morris<br><br>Derek Alderman | Indiana University<br>Columbus<br>Indiana University<br>Columbus<br>University of Tennessee |
| 8:05 | Dolls and Queens: Making "Voodoo" in New Orleans The Role of Reconstruction Era Civil Rights Struggles in the Origins of Black Masking Indian Culture in New Orleans, Louisiana | Zane Frentress                                           | University of Georgia                                                                       |

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|------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|
| 8:20 | The Role of Reconstruction Era Civil Rights Struggles on the Origins of Black Masking Indian Culture in New Orleans, Louisiana               | Rob Brown    | Appalachian State University  |
| 8:35 | "It's Always Nice to Have People That Has Your Back": Black Appalachian Women Working Within and Beyond State-led Agricultural Organizations | Jed DeBruin  | Jacksonville State University |
| 8:50 | Communion: A Black Geographic Reading of Western North Carolina in the Wake of Hurricane Helene                                              | LaToya Eaves | University of Tennessee       |

## Paper Session

Location: Regency H

### Urban Change and Community Dynamics

Chair: Calvin Horning, University of Kentucky

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|------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 7:50 | Typology of Telecommuting Neighborhoods in the U.S.                                                                                            | Bimita Thapa<br>Selima Sultana                                                                                       | UNC Greensboro<br>UNC Greensboro                                                                                                     |
| 8:05 | "We thought we were getting Ukrainians": Motivations, Expectations, and Challenges of Refugee Private Sponsorship in Semi-Urban North Carolina | Sandy Marshall<br>Rachel Curtis                                                                                      | Elon University<br>Elon University                                                                                                   |
| 8:20 | Tracing the Effects of Studentification in a Mid-Size City, Lubbock, Texas Tech University and the Five Surrounding Neighborhoods              | Patrick Danso<br>Perry Carter                                                                                        | Texas Tech University<br>Texas Tech University                                                                                       |
| 8:35 | Windows of the World: Postmodern Urbanism in Los Angeles and Shenzhen                                                                          | Calvin Horning                                                                                                       | University of Kentucky                                                                                                               |
| 8:50 | The 'Gates' of Transformations: Exploring the Intersection of Policy, Private Development, and Urban Living in Accra                           | Williams Akyemfori<br>Robert Oliver<br>Dustin Read<br>Luke Juran<br>Eranga Galappaththi<br>Prosper Issahaku<br>Korah | Virginia Tech<br>Virginia Tech<br>Virginia Tech<br>Virginia Tech<br>SD Dombo University of<br>Business and Integrated<br>Development |
| 9:05 | Business Dynamics and the Impacts of Urban Infrastructure: A 30-Year Study of Mecklenburg County, North Carolina                               | Youngseob Eum<br>Rachael Yuan<br>Lei Zhu<br>Srinivas Pulugurtha                                                      | UNC Charlotte<br>UNC Charlotte<br>UNC Charlotte<br>University of Mississippi                                                         |

## Paper Session

Location: Gardenia

### Crisis, Adaptation, and Food: Navigating Environmental and Cultural Challenges

Chair: Ethan Bottone, Northwest Missouri State University

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|------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------|
| 7:50 | Unseen Challenges: Non-climatic Factors Exacerbating Food Insecurity Among Arctic Indigenous Communities | Gayanthi<br>Ilangerathna<br>Eranga Galappaththi | Virginia Tech |
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|      |                                                                                                                               | Lynn Resler<br>Santosh Rijal | Virginia Tech<br>Virginia Tech<br>Virginia Tech |
| 8:05 | Crisis Discourse and Meaning-Making in the Greek Olive Oil Industry                                                           | Eleni Econopoulou            | University of South Carolina                    |
| 8:20 | Landscapes of Community Resettlement as Climate Adaptation                                                                    | Craig Colten                 | Louisiana State University                      |
| 8:35 | Kapok Trees of Florida: <i>Ceiba pentandra</i> and <i>Bombax ceiba</i>                                                        | Klaus Meyer-Arendt           | University of West Florida                      |
| 8:50 | Chicken Tenders, Sauerkraut Balls, & Whoopie Pies: Regional Food Identities in Minor League Baseball                          | Ethan Bottone                | Northwest Missouri State University             |
| 9:05 | Ouch! The shifting role of the Latin American cactus, <i>Opuntia</i> , in the local identity of the Canary Islands' "Isleños" | Maria Fadiman                | Florida Atlantic University                     |

### Paper Session

Location: Magnolia

### Modeling Spatial Patterns and Data Consistency

Chair: Dapeng Li, University of Alabama

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|------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|
| 7:50 | Exploring the Spatial Patterns of Illicit Massage Business Co-location with Key Potential Demand Pools      | Kayla Stan<br>Carolina "Nina" Kallus                | Morningside Analytics<br>University of Southern Mississippi                |
| 8:05 | Assessing the Logical Consistency of OpenStreetMap Road Data in Florida, USA                                | Jiacheng Cao<br>Dapeng Li                           | University of Alabama<br>University of Alabama                             |
| 8:20 | Understanding the Impact of Margins of Error in American Community Survey (ACS) Data for Index Construction | Kyle Redican<br>Shaoting (Tim) Wen<br>Alex Broening | University of Richmond<br>University of Richmond<br>University of Richmond |
| 8:35 | A study on the quality of the road data from OpenStreetMap in the U.S.                                      | Dapeng Li                                           | University of Alabama                                                      |
| 8:50 | Modeling Interstate Illicit Drug Flow across the United States                                              | Hailey Richardson<br>Kevin Curtin                   | University of Alabama<br>University of Alabama                             |

### Paper Session

Location: Dogwood

### Reclaiming Spaces: Queer and Feminist Approaches to Geographical Inquiry

Chair: Jack Swab, University of Tennessee

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| 7:50 | Examining the Gendered Nature of Labor Migration: Perspectives from India                    | Swachhatoya Das<br>Madhuri Sharma | University of Tennessee<br>University of Tennessee |
| 8:05 | Film Photography as a Method for Analyzing Ordinary and Extraordinary Landscapes in Oklahoma | Sara Fogel                        | University of Kentucky                             |

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|------|-----------------------------------------------------------------------------------------------|----------------|-------------------------|
| 8:20 | Cartography as Spatial Information Practices:<br>Examples from Queer and Feminist Geographies | Jack Swab      | University of Tennessee |
| 8:35 | Queer Bodies, Political Repression, and Perceptions<br>of Agency in Tennessee                 | Reagan Yessler | University of Tennessee |

### Panel Session

Location: Redbud

### Enhancing Undergraduate Learning Outcomes in Geography and Urban Studies

Organizer: Rafael Harun, Tennessee State University

Moderator: Rafael Harun, Tennessee State University

Panelists: Cara Robinson, Tennessee State University; Junghwan Kim, Virginia Tech; Bill Graves, UNC Charlotte; Mark Sciuchetti, Jacksonville State University

Session Description: This panel discussion will explore innovative strategies and best practices for enhancing undergraduate learning outcomes in Urban Studies and Geography programs. As cities continue to grow in complexity, these disciplines play a crucial role in training the next generation of urban planners, geospatial analysts, environmental researchers, and other professionals who will shape the future of our communities. Therefore, it is important that the programs adapt innovative strategies to ensure optimum learning outcomes for the students. In this session, panelists will share their experiences and data on key student learning outcomes, such as critical thinking about urban systems, spatial analysis of the built environment, quantitative reasoning for policy decision-making, and other competencies essential for urban problem-solving. They will then delve into the steps their programs have taken to improve alignment between intended learning outcomes and actual student performance and preparedness.

The discussion will cover topics such as defining measurable learning objectives that reflect the knowledge, skills, and abilities needed to address 21st-century urban challenges; aligning curricula, instructional methods, and assessment practices to ensure students develop these critical capacities; fostering interdisciplinary connections between Urban Studies, Geography, urban planning, environmental science, and data analytics to prepare students for the complexity of urban issues; and supporting student engagement and equity to improve learning outcomes and close achievement gaps, especially for underrepresented minorities and first-generation students.

## 10:00 am – 12:00 noon

### Panel, Paper and Poster Sessions

Each paper time slot is 15 minutes long: 12 minutes for the paper presentation followed by 3 minutes of audience/presenter discussion. Please respect the chairperson's time cues.

### Poster Session

Location: Regency A/B

### Graduate Honors Student Poster Competition

Organizers: SEDAAG Honors Committee

Chair: Michael Ewers, UNC Charlotte

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|-------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|
| Mental Health Disparities among Maternal Populations Following Heatwave Exposure in North Carolina (2011 to 2019) | Sarah Ulrich<br>Margaret Sugg | UNC Chapel Hill<br>UNC Chapel Hill |
| Multiplatform Approach to Forest Inventory from Laser Scanning                                                    | Basit Akinade                 | University of Alabama              |
| Analyzing Neighborhood Disparities in Commuting efficiency: A Network-Based Approach                              | Yue Jing                      | University of Florida              |

|                                                                                                                                                                                                              |                                              |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------|
| An Ecotourism Destination Post-Pandemic: Can an Alternative Economy Survive?                                                                                                                                 | Eileen Joseph                                | University of Georgia                                      |
| Spatial and Temporal persistence of Sandbars in the Mississippi River                                                                                                                                        | Joel Wixson                                  | University of Florida                                      |
| A Sharper Focus on Landscape Change: Best Practices for Detecting Human and Environmental Changes in the Landscape Using Historical Maps and LiDAR Datasets                                                  | Briar Pierce                                 | University of Florida                                      |
| Uncertainty Analysis of a Social Vulnerability Index                                                                                                                                                         | Jawata Afnan Saba                            | University of Florida                                      |
| Analyzing Variability of Historical Landfalling Tropical Cyclones Through the Lens of the World Meteorological Organization's Naming System                                                                  | Nathan Barnes<br>Jason Ortegren              | University of West Florida<br>University of West Florida   |
| Mapping Critical Groundwater Discharge Zones in Florida Bay Using Radon Tracers                                                                                                                              | Oluwatumise Akanmu                           | Georgia Southern University                                |
| and High-Resolution Interpolation Techniques                                                                                                                                                                 | Jacque Kelly                                 | Georgia Southern University                                |
| How Does Geospatial Data Quality Shape Insights on Emerging Urban Planning Topics? An Assessment of OpenStreetMap's (OSM) Point of Interest (POI) Data on the 15-minute City (15-MC) Accessibility Score     | Fabiha Rahman                                | Virginia tech                                              |
| Frequency of Hydroclimate Extremes Inferred from Intra-Annual Density Fluctuations in Longleaf Pine                                                                                                          | Shelby Jordan                                | The University of Alabama                                  |
| Impacts of Temperature Extremes on Drought Severity in Three Selected Georgia's Climate Division                                                                                                             | Olalekan Frank Alamoh                        | Georgia State University                                   |
| Utilizing Generative AI to Analyze Transit vs. Driving Accessibility for Dental Clinics in Virginia Using a Two-Step Floating Catchment Method                                                               | Zach Sherman<br>Mengxi Zhang<br>Junghwan Kim | Virginia Tech<br>Virginia Tech<br>Virginia Tech            |
| An Intersection of Land Change and Rural to Rural Migration in Tanzania, Eastern Africa.                                                                                                                     | Keziah Dombo                                 | University of Louisville                                   |
| A Remote Sensing Analysis of Urban Landscape Patterns from 1985-2024 in Southern Indiana                                                                                                                     | Marlea Ferber                                | University of Louisville                                   |
| Spatial Patterns of African Easterly Waves and their Precipitation in Northern Africa                                                                                                                        | Beatrice Kyeremateng                         | Virginia Tech                                              |
| Delineation of Groundwater Potential Zones for Agricultural Sustainability and Livelihood Enhancement in Bharatpur Metropolitan, Chitwan through Spatial Analysis and Multicriteria Decision Analysis (MCDA) | Asmita Karki                                 | University of West Florida                                 |
| Using Shortleaf Pine Tree Rings to Identify Severe Ice Storms in Greensboro, North Carolina, USA                                                                                                             | Gabriel Small                                | UNC Greensboro                                             |
| Comparison of Land Cover Change by Conservation and Community Use in Niassa Special Reserve, Mozambique                                                                                                      | Jessica Striley                              | University of Florida                                      |
| Assessment of Tidal Marsh Fragmentation and Multi-decadal Change along the Altamaha River, Georgia Coast                                                                                                     | Abiodun Tosin-Orimolade                      | Georgia Southern University                                |
| Urban Oases: the Critical Role of Green and Blue Spaces in Mental Wellbeing                                                                                                                                  | Oluwaseun Ipede<br>Meimei Lin                | Georgia Southern University<br>Georgia Southern University |
| A framework to analyze the historical changes in the number, spatial distribution, and intensity of tornadoes in Georgia                                                                                     | Peter Acquah                                 | Georgia State University                                   |
| Reconstructing LaGrange: Integrating Historical Data, Field Survey Techniques, and Structure from Motion for 3D Modeling of a Civil War-era Heritage Site                                                    | Carol Samuelson                              | University of North Alabama                                |
| Assessing the Rapid Urban Expansion of Addis Ababa: A Remote Sensing and Landscape Metrics Approach                                                                                                          | Audrey Culver Smith                          | University of Florida                                      |

## Paper Session

Location: Regency D

## Power Struggles: Energy Vulnerability, International Relations, and Local Resilience

Chair: Chase Womack, UNC Greensboro

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|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|
| 10:00 | Emerging geographies of energy insecurity: Transition, flexibility, and coping                                                                                                      | Conor Harrison<br>Elena Louder               | University of South Carolina<br>University of South Carolina                                 |
| 10:15 | The evolution of the integration of Turkic states and its prospects                                                                                                                 | Farkhod Abdurakhmonov                        | Tashkent State University of Economics; University of Arkansas                               |
| 10:30 | Picking up the slack: Faith based organizations, informal support networks and energy vulnerability in the Southeast US                                                             | Elena Louder<br>Conor Harrison<br>Nikki Luke | University of South Carolina<br>University of South Carolina<br>University of South Carolina |
| 10:45 | The Dictator's Rocketeer: When West German Scientists from OTRAG and their Private Space Race Affected the Federal Republic of Germany's African Foreign Policy during the Cold War | Chase Womack                                 | UNC Greensboro                                                                               |
| 11:00 | Geospatial Approach to the Understanding of Clean Energy and Socioeconomic Relationship in Rural Eastern Carolinas.                                                                 | Tenesha King<br>Trung Tran                   | Fayetteville State University<br>Fayetteville State University                               |

### Paper Session

Location: Regency G

### Geographies of Race, Exclusion, and Black Presence in the U.S. South

Chair: Jerry Shannon, University of Georgia

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|-------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 | Cartographies of Black Presence in Athens, Georgia      | Jerry Shannon<br>Rachelle Berry<br>Maya Henderson<br>Amber Orozco<br>Aidan Hysjulien<br>Maya Rao | University of Georgia<br>Texas Christian University<br>University of Georgia<br>University of Georgia<br>University of Georgia<br>Unaffiliated |
| 10:15 | Controlled Burn: Abolition Ecology in an Atlanta Forest | Kayla Edgett                                                                                     | University of Georgia                                                                                                                          |
| 10:30 | Urbanization of Black Foodways in the Rural South       | Taylor Patterson<br>Brian Williams                                                               | Mississippi State University<br>Mississippi State University                                                                                   |
| 10:45 | Tracing the Collard Atlas                               | Christian Keeve                                                                                  | University of Kentucky                                                                                                                         |

### Paper Session

Location: Regency H

### Coastal Processes and Environmental Monitoring: Sediment Dynamics, Ecosystem Impacts, and Technological Approaches

Chair: Peter Tereszkievicz, USACE ERDC CHL

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|-------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 10:00 | Influence of Beach Wrack Pile Structure on Wind Flow and Sediment Deposition                                                            | Joseph Agin<br>Phillip Schmutz<br>Peter Tereszkievicz<br>Samantha Seals | University of West Florida<br>University of West Florida<br>USACE ERDC CHL<br>University of West Florida |
| 10:15 | Investigating Aeolian Sediment Transport Potential into an Adjacent Navigation Channel During Sea Breeze Conditions: Port Mansfield, TX | Peter Tereszkievicz<br>Joseph Agin                                      | USACE ERDC CHL<br>University of West Florida                                                             |

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| 10:30 | Using UAV Imagery to Evaluate the Impact of Wrack Disturbance on Plant Recovery                                                                                                   | Tyler Lynn<br>John Schalles<br>Merryl Alber<br>Deepak Mishra                                                                                                                      | University of Georgia<br>Creighton University<br>University of Georgia<br>University of Georgia                                                                                                                                                                                                                              |
| 10:45 | Spatiotemporal Dynamics of Cyanobacterial Blooms: Integrating Machine Learning and Feature Selection Techniques with Uncrewed Aircraft Systems and Autonomous Surface Vessel Data | Mohammed Shakiul Islam<br>Padmanava Dash<br>John Liles<br>Abduselam Nur<br>Rajendra Panda<br>Jessica Wolfe<br>Gray Turnage<br>Lee Hathcock<br>Gary Chesser Jr.<br>Robert Moorhead | Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University |
| 11:00 | Quantifying Coastal Squeeze: Analyzing Tidal Marsh Migration and Community Impacts in Coastal Virginia                                                                            | Yin-Hsuen Chen<br>Tom Allen<br>Nick Carpenter<br>Anamaria Bukvic<br>Patrick Biber                                                                                                 | Old Dominion University<br>Old Dominion University<br>Old Dominion University<br>Virginia Tech<br>University of Southern Mississippi                                                                                                                                                                                         |

### Paper Session

Location: Gardenia

### Geospatial Approaches to Urban, Rural, and Environmental Challenges: Global Insights

Chair: Jacob Watkins, University of Tennessee

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|-------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------|
| 10:00 | Remote Sensing Mapping of the Invasive Plant Species, Kudzu, in the Southeastern United States                           | Ming Shen                                  | University of Tennessee                                                            |
| 10:15 | The Role of Church Land and Property in Reparative Spatial Justice Processes                                             | Madeleine Lewis                            | Vanderbilt University                                                              |
| 10:30 | Mapping Rural Gentrification: Leveraging GIS to Target Support of Farm Communities in South Carolina                     | Mike Winiski<br>Ken Kolb<br>Zury Marroquin | Furman University<br>Furman University<br>Furman University                        |
| 10:45 | Spatial Fragmentation and Climate Resilience: Analyzing Adaptation and Mitigation Challenges in the Lake Victoria Basin. | Jesse Imonje                               | Georgia Southern University                                                        |
| 11:00 | Reevaluating the role of household registration in Shanghai, China's evolving urban dynamics                             | Jacob Watkins                              | University of Tennessee                                                            |
| 10:00 | Modeling the Future of Jamaica's Coffee Production in a Changing Climate                                                 | Mario Mighty<br>Anne-Teresa Birthwright    | University of North Alabama<br>Inter-American Institute for Global Change Research |

### Paper Session

Location: Redbud

### Engaging with Public Narratives: Memory, Tourism, and Historical Experiences

Chair: Michael Pretes, University of North Alabama

|       |                                                                                                                                           |                                                            |                                                                      |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------|
| 10:00 | Public Memory in Your Pocket: Learning About America Through Coins and Currency                                                           | Seth Kannarr<br>Derek Alderman                             | University of Tennessee<br>University of Tennessee                   |
| 10:15 | Advertising as part of the environment: attention in 20th-century models and tests of advertising effectiveness                           | Jacob Saindon                                              | University of Kentucky                                               |
| 10:30 | "Lots of Animals to See, But That is All": One-Star Reviews of National Parks                                                             | Michael Pretes                                             | University of North Alabama                                          |
| 10:45 | Community Resilience and Personal Resilience in Public History: An Analysis of the Kindred Spirit Mailbox at Sunset Beach, North Carolina | Alex Shaw<br>Jonathan Tippette<br>Aaron Riffe<br>Huili Hao | UNC Wilmington<br>UNC Wilmington<br>UNC Wilmington<br>UNC Wilmington |

### Paper Session

Location: Dogwood

### Weathering the Storm: Social Vulnerability, Risk Perception, and Climate Impacts

Chair: Ronald Schumann, University of North Texas

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|-------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 | How Indigenous women experience and respond to climate change in Sri Lanka: a gender perspective                      | Hannah Garbutt<br>Eranga Galappaththi                         | Virginia Tech<br>Virginia Tech                                                                                                         |
| 10:15 | (Un)Tethered: Mobile Home Owners' Perceptions of Anchoring Systems for Tornadoes                                      | Ronald Schumann                                               | University of North Texas                                                                                                              |
| 10:30 | Unpredictable Weather: Risk perception and preparedness in the wake of an unwarned tornado in Murfreesboro, Tennessee | Alisa L. Hass<br>May Brunegraff<br>Kelsey Ellis<br>Todd Moore | Middle Tennessee State University<br>Middle Tennessee State University<br>University of Tennessee<br>Middle Tennessee State University |
| 10:45 | Development of an Impacts-Based High Wind Climatology Tailored to Social Vulnerability                                | Chip Konrad<br>Julia Cardwell<br>Chris Fuhrmann               | UNC Chapel Hill<br>UNC Chapel Hill<br>Southeast Regional Climate Center                                                                |
| 11:00 | Impact of Urban Heat Islands on Vulnerable Populations: A Case Study of Nashville, TN                                 | Max Joel Collao<br>Aldave<br>Alisa Hass                       | Middle Tennessee State University<br>Middle Tennessee State University                                                                 |
| 11:15 | A spatiotemporal assessment of summertime cold-front activity in the southeastern USA: 1973-2024                      | Paul Knapp<br>Jason Ortegren<br>Tyler Mitchell                | UNC Greensboro<br>University of West Florida<br>UNC Greensboro                                                                         |

### Special Paper Session

Location: Regency F

### Community-Engaged and Place-Based Geographies of Environmental Injustice and Vulnerability to Climate Change II

Organizers: Destiny Crockett, Mississippi State University; Katherine Hankins, Georgia State University; Dean Hardy, University of South Carolina; Richard Milligan, Georgia State University; Brian Williams, Mississippi State University

Chair: Brian Williams, Mississippi State University

Session Description: These sessions feature scholarship focused on community-engaged and place-based research addressing environmental injustices and uneven vulnerability to climate change. The scholars in this session are each part of large interdisciplinary teams working in specific regions with concern and commitment to address socio-environmental challenges facing underserved and disparately impacted communities.

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|-------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 | Mapping Social Susceptibility to Climate Impacts in the Mississippi Delta: A Pathway to Environmental Justice               | Md Shahnewaz Hossain<br>Shrinidhi Ambinakudige<br>Dean Hardy<br>Brian Williams<br>Destiny Crockett<br>Antonio Owens                                                                                           | Mississippi State University<br>Mississippi State University<br>University of South Carolina<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University                                                                                                                              |
| 10:15 | White by design: the greening of Atlanta                                                                                    | Katherine Hankins<br>Richard Milligan<br>Tyler McCreary<br>Na'Taki Osborne<br>Jelks<br>Sarah Ledford<br>Khadija Benn                                                                                          | Georgia State University<br>Georgia State University<br>Florida State University<br>Spelman College<br>Georgia State University<br>Georgia State University                                                                                                                                                               |
| 10:30 | Cropland Expansion in the Mississippi Delta: Panacea or Peril Amidst a Worsening Climate?                                   | Brett Violet<br>Yen-Heng Lin<br>Jamie Dyer<br>Shrinidhi Ambinakudige<br>Brian Williams<br>Dean Hardy<br>Destiny Crockett<br>Monica Barra<br>Boniface Fosu                                                     | Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>University of South Carolina<br>Mississippi State University<br>University of South Carolina<br>Mississippi State University                              |
| 10:45 | Forward Together Against Hazardous Waste in Atlanta                                                                         | Finn Gillette<br>Wisdom Akanmisikum<br>Marcus Morris<br>Opal Baker<br>Jacqueline Echols<br>Naurica Encarnación<br>Nadine Kabengi<br>Rachel Scarlett<br>Katherine Hankins<br>Sarah Ledford<br>Richard Milligan | Georgia State University<br>Georgia State University<br>Georgia State University<br>Forward Together East Point<br>South River Watershed Alliance<br>Georgia State University<br>Georgia State University<br>Georgia State University<br>Georgia State University<br>Georgia State University<br>Georgia State University |
| 11:00 | Building tools and strategies for community-led urban flood management                                                      | Rachel Scarlett<br>Maggie Catania<br>Maya Etienne                                                                                                                                                             | Georgia State University<br>Calumet Collaborative<br>Calumet Collaborative                                                                                                                                                                                                                                                |
| 11:15 | Community Engagement Utilizing Citizen Science: Increased Awareness of Relationships Between Weather and Local Environments | Sarah Lalk<br>John Cartwright                                                                                                                                                                                 | Mississippi State University<br>Mississippi State University                                                                                                                                                                                                                                                              |

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|  |  | Shrinidhi Ambinakudige | Mississippi State University |
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### Special Paper Session

Location: Magnolia

#### Urban Geographies of the American South

Organizers: Michael McCanless, University of Kentucky; Ryan Pardue, Georgia State University

Chairs: Michael McCanless, University of Kentucky; Ryan Pardue, Georgia State University

|       |                                                                                                                                   |                               |                                                         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------|
| 10:00 | Real Property Owners of Atlanta: Corporate and Concentrated Ownership in Atlanta's Housing Market                                 | Ryan Pardue<br>Taylor Shelton | Georgia State University<br>Georgia State University    |
| 10:15 | Race and Value in Space and Time: A Critical Narrative Cartography of the Home Owners' Loan Corporation's Area Description Sheets | Scott Markley<br>Anne Bonds   | Cornell University<br>University of Wisconsin-Milwaukee |
| 10:30 | TOD Tradeoffs: Transit-Oriented Development and Neighborhood Change in Atlanta                                                    | Mia Wood                      | Georgia State University                                |
| 10:45 | Boundary work: Secession democracy, possessive geographies, and the spatial dialectics of the veil                                | Coleman A. Allums             | University of Georgia                                   |
| 11:00 | Between the mom and pop and corporate landlord: Racialized geographies of the 1031 exchange in Memphis                            | Michael McCanless             | University of Kentucky                                  |

### Panel Session

Location: Crepe Myrtle

#### Teaching Introduction to GIS: Best Practices and Reflections

Organizer: Caroline McClure, Georgia State University

Chair: Jonathan Fleming, Samford University

Panelists: Ashley Allen, James Madison University; Jordan Cissell, Samford University; Forrest Bowlick, University of Massachusetts, Amherst; Doug Oetter, Georgia College and State University

#### Session Description:

Many early-career faculty in Geography and Geoscience departments are placed in a classroom teaching an Introduction to GIS course, with or without prior teaching experience. While GIS is broadly used in research, teaching experiences are less available. This session will compare practices and discuss methods for teaching such a course. It will bring together a diverse group of faculty, all currently teaching Intro GIS courses. The participants will share their experience teaching the course, their format for the course, and what does and does not work in the classroom (e.g., projects vs. exams, teaching both lecture and lab vs. teaching lecture with TAs teaching labs, types of projects, working with/around AI, ESRI software vs. others, hybrid vs. face-to-face vs. online).

**12:00 noon – 1:00 pm**

**Young Professionals Lunch**  
*group members only*

**Location: Teal Ballroom**

**1:00 pm – 3:00 pm**

**Panel, Paper and Poster Sessions**

Each paper time slot is 15 minutes long: 12 minutes for the paper presentation followed by 3 minutes of audience/presenter discussion. Please respect the chairperson's time cues.

| <b>Poster Session</b>                                                                                                 |                                                                                                                                                                                                     | Location: Regency A/B                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Poster Session – Physical Geography</b>                                                                    |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                      |
| Assessing niche shifts on the mimosoid clade using a quantitative discretization method                               | Carolina Siniscalchi<br>Leonardo Borges<br><br>Heather Kates<br>Pam Soltis<br>Doug Soltis<br>Robert Guralnick<br>Ryan Folk                                                                          | Mississippi State University<br>Universidade Federal de Sao Carlos<br>University of Florida<br>University of Florida<br>University of Florida<br>Mississippi State University                                                                                                        |
| Applications of Geospatial Technologies in the Study of Ecosystem Engineers: A Scoping Review                         | Cole Bristow<br>Lynn Resler<br>Clayton Whitesides                                                                                                                                                   | Virginia Tech<br>Virginia Tech<br>Coastal Carolina University                                                                                                                                                                                                                        |
| Integrating Tree-Ring Data and Oral History to Address Climate Change Impacts in Southeastern Kentucky                | Madlen Conley<br>Karen King<br>Justin Maxwell<br><br>Mackenzie Casteel                                                                                                                              | University of Tennessee<br>University of Tennessee<br>Indiana University<br>Bloomington<br>University of Tennessee                                                                                                                                                                   |
| Himalayan Conifers Increased Density with Rising Temperature Over Past Century                                        | Brendan Buckley<br><br>Edward Cook<br><br>Rosanne D'Arrigo<br><br>Hung T.T. Nguyen<br><br>Brij Banerji<br>Daniel Druckenbroad<br>Rob Wilson<br>Stessie Chounoune<br>Gabby Banyacski<br>Robby Arpaio | Lamont-Doherty Earth Observatory<br>Lamont-Doherty Earth Observatory<br>Lamont-Doherty Earth Observatory<br>Lamont-Doherty Earth Observatory<br>University of Tennessee<br>Rider University<br>University of St. Andrews<br>Rider University<br>Rider University<br>Rider University |
| Holocene Paleofloods and Land-Use Legacies in the Ocoee River Region                                                  | Cristina Leschhorn<br>Ray Lombardi<br>Lisa Davis<br>Matthew Gage                                                                                                                                    | University of Memphis<br>University of Memphis<br>University of Alabama<br>University of Alabama                                                                                                                                                                                     |
| The Kudzu Conundrum and Its Bitter Companion: A Dual Assault on Ecological Zones of the Southern Blue Ridge Mountains | Tara Wu                                                                                                                                                                                             | Pennsylvania State University                                                                                                                                                                                                                                                        |
| Precise Shade Mapping with 3D Digital Twin: A LiDAR – Based Approach                                                  | Roshan Saud<br>Steven Richter                                                                                                                                                                       | East Carolina University<br>East Carolina University                                                                                                                                                                                                                                 |

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| Assessing Device Accuracy in Small Scale Topographical Surveys: A Comparative Study of Drainage Ditch Cross-Sections and Longitudinal Profiles | Alec Reeb<br>Arthur Cagle<br>Laken Ferrell<br>Alex Johnston<br>Hannah Yagle<br>Dawson Yang<br>Jacob Bateman<br>McDonald                  | University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia     |
| Comparing Surveys of a Pond from Three Devices to Aerial Imagery                                                                               | Kacper Michalak<br>Benjamin Pierce<br>Samuel Bixler<br>Peter Swanton<br>Ty Lightner<br>Alexander Widner<br><br>Jacob Bateman<br>McDonald | University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br><br>University of North Georgia |
| The Impacts of Tropical Storm Cindy on a Study Site at McFaddin National Wildlife Refuge, Texas                                                | Joshua Hodge                                                                                                                             | University of Tennessee, Chattanooga                                                                                                                                                                                      |
| Records of Holocene Fire from Arnold Air Force Base, Tullahoma, Tennessee                                                                      | Madison R. Moore<br>Sally P. Horn                                                                                                        | University of Tennessee<br>University of Tennessee                                                                                                                                                                        |
| Environmental History in a Biodiversity Hotspot: Geochemical and Stable Isotope Analyses of a Sediment Core from Cuatrociénegas, Mexico        | Hope Hutchinson<br>Sally Horn<br>Thomas Minckley<br>Chad Lane                                                                            | University of Tennessee<br>University of Tennessee<br>University of Wyoming<br>University of North Carolina, Wilmington                                                                                                   |
| Evaluating the use of spatiotemporal variation of vegetation indices to predict salt marsh dieback on the Georgia coast.                       | Emmanuella Bosompemaa Obeng                                                                                                              | Georgia Southern University                                                                                                                                                                                               |
| Integrating Remote Sensing and Phenological Data to Assess Vegetation Dynamics and Environmental Pressures on the Pacific Crest Trail, U.S.    | Casey Helton<br>Jeremy Poppe<br>Madi Shubert<br>Peter Swanton<br>Amber Ignatius                                                          | University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia                                                                   |
| Exploring Spatiotemporal Vegetation Dynamics Along the Appalachian Trail Corridor                                                              | Dawson Yang<br>Alec Reeb<br>Laken Ferrell<br>Amber Ignatius                                                                              | University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia                                                                                                  |
| Assessing Wildfire Impacts, Vegetation Change, and Urban Disturbance Along the Continental Divide Trail, U.S.                                  | Ashley Annis<br>Harper Cribbs<br>Sydney McDaniel<br>Amber Ignatius                                                                       | University of North Georgia<br>University of North Georgia<br>University of North Georgia<br>University of North Georgia                                                                                                  |
| Identifying Spatial Variation of Evapotranspiration Across Land Covers in the Appalachian Mountains                                            | Lydia Nicolai                                                                                                                            | Virginia Tech                                                                                                                                                                                                             |
| Evaluating Surveying Methods in Fluvial Geomorphology                                                                                          | Madison Rollins<br>Jacob Bateman<br>McDonald                                                                                             | University of Georgia<br>University of North Georgia                                                                                                                                                                      |
| Mapping the Distribution of Phragmites australis on the Santee Coastal Reserve Using High-Resolution Aerial Imagery                            | Courtney Lewis                                                                                                                           | University of South Carolina                                                                                                                                                                                              |
| Land Use Change and Land Surface Temperature in North Carolina: A Remote Sensing Analysis                                                      | Suyog Gautam<br>Santosh Rijal                                                                                                            | Virginia Tech<br>Virginia Tech                                                                                                                                                                                            |
| Analysis of Landuse/Land Cover Change in Cincinnati, Ohio 2001 – 2021                                                                          | K M Nafee<br>Isaac Oluwatimilehin                                                                                                        | University of Kentucky<br>University of Kentucky                                                                                                                                                                          |
| Assessing the Weather Stress Index in Three Cities in the southern U.S.; Implications for Human Wellness                                       | Goldie Kpeli                                                                                                                             | University of West Florida                                                                                                                                                                                                |
| Meteorology and Myth III: Krishna's Monsoon Swing                                                                                              | Dennis Edgell                                                                                                                            | UNC Pembroke                                                                                                                                                                                                              |
| Shape Analysis of Radar Reflectivity Imagery to Detect Hazards Associated with Supercell Thunderstorms                                         | Aaliyah Perez<br>Stephanie Zick                                                                                                          | Virginia Tech<br>Virginia Tech                                                                                                                                                                                            |
| Enhancing Spatial Awareness of Outdoor Recreational Activities in North Alabama                                                                | Rachel Ann Puckett<br>Dawson King<br>Seth Peck<br>Mario Mighty                                                                           | University of North Alabama<br>University of North Alabama<br>University of North Alabama<br>University of North Alabama                                                                                                  |

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| Satellite Shoreline Analysis and Sediment Budget at Crescent Beach, IN                                                                               | Dylan Robinson<br>Brian McFall<br>Douglas Krafft<br>Nicholas Olsen | USACE ERDC CHL<br>USACE ERDC CHL<br>USACE ERDC CHL<br>USACE ERDC CHL |
| An Interpretable Tree Interaction Model (TIM) for Eastern U.S. Forests: Machine Learning Insights Into Landscape Beta Diversity & Ecosystem Dynamics | George Michael<br>Williford<br>Youngsang Kwon                      | University of Memphis<br>University of Memphis                       |

### Special Paper Session

Location: Regency D

#### Economic Geography: Past, Present, Future

Organizers: Ron Kalafsky, University of Tennessee; William Graves, UNC Charlotte

Chairs: Ron Kalafsky, University of Tennessee

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|------|-----------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------|
| 1:00 | Missouri's Enhanced Enterprise Zones: The Success or Failure of a State-Run Place-Based Economic Policy   | Jesse Lane                      | NW Missouri State University                       |
| 1:15 | A Steep Climb: Exploring Economic Mobility and the Mountain State                                         | Jonathan Kozar                  | Marshall University                                |
| 1:30 | Reviewing the Global Cities of the Southern US: Trajectories and Linkages                                 | Ron Kalafsky                    | University of Tennessee                            |
| 1:45 | Co-Creating Sustainability: University-City Collaborations for Carbon Management in Charlotte and Raleigh | Melissa Harmon<br>Michael Ewers | UNC Charlotte<br>UNC Charlotte                     |
| 2:00 | Efficiency Versus Equity: Urban Structure of Georgia and North Carolina                                   | John Paul Lynn<br>Ron Kalafsky  | University of Tennessee<br>University of Tennessee |
| 2:15 | Invisible Decline: Assessing the Impact of Deindustrialization in the Rural South                         | Bill Graves                     | UNC Charlotte                                      |

### Special Paper Session

Location: Regency F

#### Critical Memory Work as Healing Praxis: Towards Landscapes of Truth & Reconciliation

Organizer: Jacque Micieli-Voutsinas, University of Florida

Chair: Jacque Micieli-Voutsinas, University of Florida

Session Description: The current political moment demands new ways of understanding our heritage environments. From activists calls to decolonize museum spaces, to public acknowledgements that memorials should reflect the values of a multi-racial democracy, it is clear that our heritage landscapes can no longer be thought of as 'neutral' spaces. Across the country, heritage landscapes are actively being contested and memorials toppled in order to remove narratives of oppression and racism from the cultural landscape.

Focusing on critical memory work as creative/healing praxis, this session blends hands-on and theoretical approaches to understand and unpack the cultural transformation underway within our heritage environment. What role do museums have in supporting community wellness and wellbeing, for example? And what tools do heritage practitioners need to undergo this simultaneous work of undoing painful legacies within our cultural institutions while seeking to build

new communities of care—built on trust, shared power, and mutuality? What does it mean, as activist scholars, to resist historical mechanisms of violence and oppression without reproducing their terms?

As heritage scholars, practitioners, and museum goers, we are routinely exposed to—and implicated in—the suffering of others. It is therefore imperative that this session will ground its theoretical explorations of creativity and healing within intersectional analyses of identity, embodiment, power, and oppression. Such intersectional perspectives highlight the importance of geography, history, positionality, place and privilege, at multiple scales. Papers in this session will place emphasis on critical memory work as transformative social praxis while paying careful attention to the ideological representations and material manifestations of truth, reconciliation, justice, sustainability, and accountability, as well as relevant modes of contemporary heritage praxis. The papers in this session will critically discuss the utility of truth and reconciliation as both a theoretical and practical framework for engaging in critical memory work—without romanticizing it—while exploring the application and deployment of the concept in potentially transforming the cultural landscape.

|      |                                                                                                                  |                                                                              |                                                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:00 | Resisting Displacement: The Paul Robeson House and Museum's Activist Legacy                                      | Amy Potter<br>Matthew Cook<br>LaToya Eaves<br>Perry Carter<br>Candace Bright | Georgia Southern University<br>Eastern Michigan University<br>University of Tennessee<br>Texas Tech University<br>East Tennessee State University |
| 1:15 | The Alachua County Community Remembrance Project: Co-creating More Truthful Heritage Landscapes                  | Jacque Micieli-Voutsinas<br>Gavin Schrantz<br>Becky Lipkin                   | University of Florida<br>University of Florida<br>University of Florida                                                                           |
| 1:30 | National Parks and Ambiguous Affect: Latinx Belonging and the Castillo de San Marcos in Saint Augustine, Florida | Ivy Chen                                                                     | University of Florida                                                                                                                             |
| 1:45 | The Embodied Affectionality of Repair: Listening to Black Women Elders and Descendants of Rondo                  | Parvathy Binoy                                                               | Colgate University                                                                                                                                |
| 2:00 | Black Cartography as Memory Work                                                                                 | Stephen Hanna                                                                | University of Mary Washington                                                                                                                     |

## Special Paper Session

Location: Regency G

### Floods, Floodplains, and Fluvial Systems

Organizers: Joann Mossa, University of Florida; Amanambu, University of Alabama

Chair: Joann Mossa, University of Florida

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|------|----------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1:00 | A Holocene record of extreme floods on the lower French Broad River in Tennessee | Lisa Davis<br>Bryan Gutierrez<br>Ray Lombardi<br>Matthew Gage        | University of Alabama<br>University of Alabama<br>University of Memphis<br>University of Alabama |
| 1:15 | Large Wood Transport in Coastal Plain Rivers                                     | Derek Martin<br>Sarah Praskievicz<br>Nicole Rusden<br>Allison Ingram | Appalachian State University<br>UNC Greensboro<br>UNC Greensboro<br>Appalachian State University |

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|------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1:30 | Disturbance and Dynamics of the Upper Finke River, Australia                                                        | Joann Mossa<br>Yin-Hsuen Chen<br>Jayne Brim-Box<br><br>Paul Box | University of Florida<br>Old Dominion University<br>Northern Territory Government<br>Northern Territory Government |
| 1:45 | From Hydrographic Surveys to Machine Learning: Redefining Bankfull Stage Prediction in the Upper Apalachicola River | Amobichukwu Amanambu<br>Joann Mossa<br>Yin-Hsuen Chen           | University of Alabama<br><br>University of Florida<br>Old Dominion University                                      |

### Paper Session

Location: Regency H

### Modeling and Mapping Climate Risks: Fire, Water, and Environmental Degradation Across Global Landscapes

Chair: John Kupfer, University of South Carolina

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|------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1:00 | Flood Risk Assessment in Humanitarian Contexts: A Remote Sensing and GIS Methodology Applied to Nyarugusu Refugee Camp, Tanzania. | Carolyn Mbirika                                                              | Jacksonville State University                                                                                               |
| 1:15 | Assessing the impact of Forest cover change on Water Yield in the Middle Hills of Nepal through the CCW-WaSSI Model               | Jing Hu                                                                      | UNC Chapel Hill                                                                                                             |
| 1:30 | A Staged Wildfire Evacuation Model for Wildland-Urban Interface Communities with Transient Populations in the United States       | Madusha Sammani<br>Dapeng Li                                                 | University of Alabama<br>University of Alabama                                                                              |
| 1:45 | Robotics and Radar Satellites being implemented to solve Soil Degradation                                                         | Jamall James                                                                 | Jacksonville State University                                                                                               |
| 2:00 | Using Climate-Fire Analog Mapping to Inform Climate Change Adaptation Strategies for Wildland Fire in Protected Areas             | John Kupfer<br>Adam Terando<br><br>Peng Gao<br>Kevin Young<br>J. Kevin Hiers | University of South Carolina<br>North Carolina State University<br>UNC Wilmington<br>UNC Wilmington<br>Texas A&M University |

### Paper Session

Location: Redbud

### Climate Variability and Human Responses

Chair: David Keellings, University of Florida

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|------|----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------|
| 1:00 | Unveiling the Urban Footprint on Rainfall: A month-to-month Investigation of Precipitation Patterns in Atlanta | Olamiposi Fagunloye<br>Jeremy Diem | Georgia State University<br>Georgia State University |
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|------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1:15 | The Lived Experience of Tornado Risk: Thematic Exploration of Individual Perceptions and Behavior                                               | Sarah Jackson                                                         | Western Carolina University                                                                      |
| 1:30 | A Proposed Meta Analysis of Planned Relocation In Response to Climate Change Impacts in the Context of the Social Foundation of Donut Economics | Kaylin Colvin-Reece<br>Kwame Owusu-Daaku                              | University of West Florida<br>University of West Florida                                         |
| 1:45 | Heat Maps That Matter: Pinpointing Vulnerable Neighborhoods for Real-World Impact                                                               | Jack Buehner<br>Geoffrey Habron                                       | Furman University<br>Furman University                                                           |
| 2:00 | Heat Waves and Connections to Climate Variability and Change Across the United States                                                           | David Keellings<br>Jason Senkbeil<br>Austin Raney<br>Johanna Engström | University of Florida<br>University of Alabama<br>University of Alabama<br>University of Florida |

### Paper Session

Location: Dogwood

### Resilient Futures: Pathways Toward Health Equity and Climate Adaptation

Chair: Jamison Conley, West Virginia University

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|------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:00 | Green Means No: Control of Dispensaries in a Hyper-Regulated Municipality                                                                            | Caleb Smith                                                                                            | Jones College                                                                                                                                                                                              |
| 1:15 | Moving at the Speed of Trust: Lessons Learned from Implementing a Transformative Scenario Process to Vision the Health Equity Future of Port St. Joe | Chase Walsh<br>Kwame Owusu-Daaku<br>Christian Wells<br>Dannie Bolden<br><br>Nelson Kowu<br>Abby Vidmar | University of West Florida<br>University of West Florida<br><br>University of South Florida<br>North Port St. Joe Project<br>Area Coalition<br>University of South Carolina<br>University of South Florida |
| 1:30 | Plastic (Ger)Ontologies: Body-Environment Interactions, Biocapital, and Epigenetic Clocks                                                            | Hans Purisch                                                                                           | University of Kentucky                                                                                                                                                                                     |
| 1:45 | Persistence of Initial Public Attitudes Toward COVID in Impacting Subsequent Vaccination and Infection Rates in Appalachia                           | Jamison Conley                                                                                         | West Virginia University                                                                                                                                                                                   |
| 2:00 | Being Un-Meta In the Metaverse: Navigating The Geographies of Unreal Emotions in Imaginary, Quaternion Spaces As A Trauma Survivor                   | Kavit Sumud                                                                                            | University of Kentucky                                                                                                                                                                                     |
| 2:15 | Transformative Pathways to Inform Health Professionals in Adopting Climate-Resilient Health Systems for Indigenous Communities                       | Chrishma Perera<br>Eranga Galappaththi<br>Carol Zavaleta-Cortijo<br>Timothy Baird<br>Korine Kolivras   | Virginia Tech<br>Virginia Tech<br>Universidad Peruana<br>Cayetano Heredia (UPCH)<br>Virginia Tech<br>Virginia Tech                                                                                         |

### Special Paper Session

Location: Magnolia

### Applications in Dendrochronology

Organizers: Clay Tucker, University of Southern Mississippi; Maegen Rochner, University of Louisville

Chair: Clay Tucker, University of Southern Mississippi

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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1:00 | Qualitative Paleo-Wood Anatomy: Insights into Late Pleistocene Gulf Coastal Ecosystem and Species Assemblages from Histological Analysis               | Ellen Bergan<br>Grant Harley<br>Kristine DeLong<br>Carl Andrew Reese                | University of Tennessee<br>University of Idaho<br>Louisiana State University<br>University of Southern Mississippi                       |
| 1:15 | Trees Don't Last Forever in the Southeast: When Academic Timelines and Community-Based Research Collaborations Collide                                 | Matthew Kerr<br>Lauren Baghetti<br><br>Jacqueline Kerr                              | University of Tennessee<br>Fort Loudoun State Historic Park<br>University of Tennessee                                                   |
| 1:30 | Historical Fire Regimes in an Urban-Adjacent State Forest and Recreation Area                                                                          | Madison Cornett<br>Thomas Saladyga                                                  | Concord University<br>Concord University                                                                                                 |
| 1:45 | Nobody Puts Dendro in the Corner: Results from the 2024 Dendrochronology Field School                                                                  | Stockton Maxwell                                                                    | Radford University                                                                                                                       |
| 2:00 | Increased Growth Synchrony of Red Spruce in Response to Acid Deposition Recovery and Climate Change Across its Southern Range Extent, Southeastern USA | Maegen Rochner<br>Thomas Patterson<br><br>Karen King<br>Grant Harley                | University of Louisville<br>North Carolina Agricultural and Technical State University<br>University of Tennessee<br>University of Idaho |
| 2:15 | Investigating Drought Response and Paleoclimate Potential of a New Network of White Oak Chronologies in Western Kentucky, USA                          | A. J. Heichelbech<br><br>Maegen Rochner<br>Meg Gibson                               | University of Southern Mississippi<br>University of Louisville<br>University of Louisville                                               |
| 2:30 | North Atlantic Subtropical High Variability Since 1140 CE                                                                                              | Joshua Bregy<br>Justin TMaxwell<br>Scott MRobeson<br>Grant Harley<br>Valerie Trouet | Clemson University<br>Indiana University<br>Indiana University<br>University of Idaho<br>University of Arizona                           |

## Panel Session

Location: Crepe Myrtle

### Community-Engaged and Place-Based Geographies of Environmental Injustice and Vulnerability to Climate Change

Organizer: Destiny Crockett, Mississippi State University; Katherine Hankins, Georgia State University; Dean Hardy, University of South Carolina; Richard Milligan, Georgia State University; Brian Williams, Mississippi State University

Panelists: Naurica Encarnación, Georgia State University (Moderator); Katherine Hankins, Georgia State University; Asli Aslan, Georgia Southern University; Destiny Crockett, Mississippi State University; Dean Hardy, University of South Carolina; Taylor Patterson, Mississippi State University

Session Description: These sessions feature scholarship focused on community-engaged and place-based research addressing environmental injustices and uneven vulnerability to climate change. The scholars in this session are each part of large interdisciplinary teams working in specific regions with concern and commitment to address socio-environmental challenges facing underserved and disparately impacted communities.

**3:10 pm – 5:10 pm**

## Panel, Paper and Poster Sessions

Each paper time slot is 15 minutes long: 12 minutes for the paper presentation followed by 3 minutes of audience/presenter discussion. Please respect the chairperson's time cues.

| Poster Session                                                                                                                                         |                                                                                                                                                                                                                                               | Location: Regency A/B                                                                                                                                                                                                                                                                                                                                                     |
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| General Poster Session – Human Geography                                                                                                               |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                           |
| Cultivating Sustainable Communities in Costa Rica                                                                                                      | Summer Marsden<br>Genevieve Messina<br>Matthew Bush<br>Karen Allen                                                                                                                                                                            | Furman University<br>Furman University<br>Furman University<br>Furman University                                                                                                                                                                                                                                                                                          |
| The Spatial Patterns of English and Celtic Folk Music in the United States                                                                             | Kaleb Dunlap                                                                                                                                                                                                                                  | University of Mary Washington                                                                                                                                                                                                                                                                                                                                             |
| Composite Red Tide Vulnerability Index (CRTVI): Assessing and Communicating Socio-Economic Vulnerability of Coastal Communities to Red Tide in Florida | Kevin Ash,<br>Christa Court<br>Sandra Anderson<br>Kara Coffey<br><br>Roberto F. Koeneke<br>Lisa Krinsky<br>Mengming Li<br>Angie Lindsey<br>Kelsey McDaid<br>Claire Mitchell<br>Xiaohui Qiao<br>Andrew Ropicki<br>Jawata A. Saba<br>Ricky Telg | University of Florida<br>University of Florida<br>University of Florida<br>Texas A&M University, Corpus Christi<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida<br>University of Florida |
| Land Use/Cover Change Monitoring and Urban Growth Modeling for Orlando, Florida Metropolitan Area                                                      | Padam Jaishi                                                                                                                                                                                                                                  | University of West Florida                                                                                                                                                                                                                                                                                                                                                |
| Measuring the Effect of Sea Level Rise on Healthcare Accessibility in Southeastern Coastal Communities in the United States                            | Olivia Kirkland<br>Dajun Dai                                                                                                                                                                                                                  | Georgia State University<br>Georgia State University                                                                                                                                                                                                                                                                                                                      |
| Neonatal Abstinence Syndrome (NAS) and its Association with Spatial Accessibility to OB-GYN Facilities in Atlanta                                      | Leslie Lomotey                                                                                                                                                                                                                                | Georgia State University                                                                                                                                                                                                                                                                                                                                                  |
| The Future Amid Climate Change: An Icelandic Case Study                                                                                                | Michelle Ritchie                                                                                                                                                                                                                              | University of Georgia                                                                                                                                                                                                                                                                                                                                                     |
| Geopolitics of Exclusive Bordering in the United States: a Case Study of Colombia and Venezuela                                                        | Gloria Hope                                                                                                                                                                                                                                   | Appalachian State University                                                                                                                                                                                                                                                                                                                                              |
| "Y'all Means All": Comparing Municipal Inclusive Place Branding for LGBTQ+ and Immigrant Communities in the Southeastern United States                 | Paul McDaniel                                                                                                                                                                                                                                 | Kennesaw State University                                                                                                                                                                                                                                                                                                                                                 |
| Around the West in 16 Days: A Model for Study-Away in the American Southwest                                                                           | Jonathan Fleming<br>Jordan Cissell                                                                                                                                                                                                            | Samford University<br>Samford University                                                                                                                                                                                                                                                                                                                                  |
| Re-envisioning Small Farms to Support Community Well-being and Ecosystem Services                                                                      | Andrew Cooter<br>Alexandra Valdovinos<br>Chris Miller                                                                                                                                                                                         | Furman University<br>Furman University<br>Horsehoe Farm                                                                                                                                                                                                                                                                                                                   |
| Towards Rural Social Sustainability: An Index to assess the sustenance potentialities                                                                  | Vipasa Gupta                                                                                                                                                                                                                                  | University of Kentucky                                                                                                                                                                                                                                                                                                                                                    |
| Achieving Integrated Resilience to Impacts of Coastal Flooding on the Department of Defense Bases and Surrounding Communities on the U.S. East Coast.  | Charles Fladhammer<br>Anamaria Bukvic<br>Thomas W. Crawford<br>Theodore Lim                                                                                                                                                                   | Virginia Tech<br>Virginia Tech<br>Virginia Tech<br>University of British Columbia                                                                                                                                                                                                                                                                                         |
| A Systematic Approach to Investigating Industrial Stormwater Permits in the South River Watershed                                                      | Hamida Akter<br>Megan Curry<br>Richard Milligan                                                                                                                                                                                               | Georgia State University<br>Georgia State University<br>Georgia State University                                                                                                                                                                                                                                                                                          |
| Electrifying Lawn Management for Higher Education Institutions                                                                                         | Will Scheland                                                                                                                                                                                                                                 | Furman University                                                                                                                                                                                                                                                                                                                                                         |

|                                                                                                                                  |                                                                                                                              |                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                  | Kara Justus<br>Laura Bain                                                                                                    | Furman University<br>Furman University                                                                                                                                                      |
| From the Ashes: Mitigation and Recovery After Wildfire in California                                                             | Ronald Schumann<br>Alex Greer<br>Miranda Mockrin<br>Sherri Brokopp<br>Binder<br>Ayesha Islam                                 | University of North Texas<br>University at Albany<br>USDA Forest Service<br>Brokopp Binder Research & Consulting<br>University at Albany                                                    |
| Learning Thru Play: Serious Games for Flood Preparedness                                                                         | Sanghamitra<br>Sengupta<br>Arleen Hill                                                                                       | University of Memphis<br>University of Memphis                                                                                                                                              |
| Mapping the Story: Using Geography to Help Students Write                                                                        | Marley Kight<br>Darby Wood Walters                                                                                           | University of Florida<br>University of Florida                                                                                                                                              |
| Beneath the Surface: Mapping Unmarked Burials with Remote Sensing at Sinking Spring Cemetery, Abingdon, VA                       | Noah Hall<br>Eileen G Ernenwein                                                                                              | East Tennessee State University<br>East Tennessee State University                                                                                                                          |
| Exploring the Links between Air Quality and Asthma Cases in North Carolina                                                       | David Bjorkback<br>John Bang<br>Rakesh Malhotra                                                                              | North Carolina Central University<br>North Carolina Central University<br>North Carolina Central University                                                                                 |
| Using Participatory GIS Mapping to Evaluate Access to Health Care Experienced by Residents in Tornado-Prone Areas in Mississippi | Fikriyah Winata<br>Hattie Spencer<br><br>Destiny Crockett<br>Taylor Patterson<br>Brian Williams<br>Shrinidhi<br>Ambinakudige | Texas A&M University<br>Mississippi Valley State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University<br>Mississippi State University |
| A Spatial and Statistical Analysis of Manganese Contamination in Private Drinking Water Systems in Virginia                      | Paramita<br>Chakraborty                                                                                                      | Virginia Tech                                                                                                                                                                               |

## Paper Session

Location: Regency D

### Navigating Energy and Housing Transitions: Socio-Economic and Environmental Perspectives

Chair: Gabe Schwartzman, University of Tennessee

|      |                                                                                                                                                 |                                     |                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------|
| 3:10 | Socio-Ecological Impacts of Coal Mine Bond Forfeiture                                                                                           | Gabe Schwartzman<br>Emmet Lipschutz | University of Tennessee<br>University of Tennessee                      |
| 3:25 | Socio-Environmental Dynamics of Resource Extraction in the Southeast United States: A case study from 1992-2020                                 | Bianca Joseph<br><br>Helen Rosko    | Georgia Southern University<br>Georgia Southern University              |
| 3:40 | Upskilling the Energy Transition? A Regional Analysis of Registered Apprenticeship Programs in the U.S. South after the Inflation Reduction Act | Nikki Luke<br>Elena Louder          | University of Tennessee<br>University of Tennessee                      |
| 3:55 | Scaling Residential Electricity Consumption Geographies for SEDAAG States                                                                       | Doug Oetter<br><br>Jessica Craig    | Georgia College & State University<br>University of California-Berkeley |
| 4:05 | Exploring Affordable Housing Solutions: A Comparative Analysis of Rental Housing Policies in South Korea and the U.S. LIHTC Program             | Jieun Park                          | Georgia State University                                                |

**Paper Session**

Location: Regency G

**Land, Food, and Farming: Indigenous, Immigrant, and Black Community Perspectives**Chair: Sara Maxwell, North Carolina Climate Solutions Coalition

|      |                                                                                             |                                                                            |                                                                  |
|------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------|
| 3:10 | Exploring the Community Land Trust Model in the South through Participatory Action Research | Dylan Turner                                                               | UNC Charlotte                                                    |
| 3:25 | "We need more!": Mexican Immigrants' Tacit Knowledge and Mississippi's Beef Cattle Industry | Juan Quinonez Zepeda                                                       | Independent Scholar                                              |
| 3:40 | What is on Indigenous Menu? Exploring Indigenous food governance from global to local       | Sithuni Jayasekara<br>Eranga Galappaththi<br>Santosh Rijal<br>Kim Niewolny | Virginia Tech<br>Virginia Tech<br>Virginia Tech<br>Virginia Tech |
| 3:55 | Forest as Factory and Tree Farm as Forest                                                   | Sara Maxwell                                                               | North Carolina Climate Solutions Coalition                       |
| 4:05 | Exploring Black Communities Small Farms in the Black Belt of Alabama                        | Leah Mungai                                                                | University of Alabama                                            |

**Paper Session**

Location: Regency F

**From River Basins to Climate Response: Geospatial and Paleoenvironmental Insights**Chair: Saeideh Gharehchahi, Jacksonville State University

|      |                                                                                                                              |                                                                                                          |                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3:10 | Where do streams begin? Predictive modeling of channel heads in the Upper Oconee River watershed                             | Jacob Bateman McDonald                                                                                   | University of North Georgia                                                                                                                                                                        |
| 3:25 | Flood Hazard Assessment and Roadway Vulnerability: A Study of Emerald Mountain Expressway on the Tallapoosa River in Alabama | Saeideh Gharehchahi<br>Samuel Stafford<br><br>Ross Martin<br><br>M. Sean Chenoweth<br><br>William Yancey | Jacksonville State University<br>Jacksonville State University<br>Jacksonville State University<br>Jacksonville State University<br>Jacksonville State University<br>Jacksonville State University |
| 3:40 | Phenological response of maple species to climate parameters in selected locations in the temperate forest of the USA        | Isaac Oluwatimilehin<br>K M Nafee                                                                        | University of Kentucky<br>University of Kentucky                                                                                                                                                   |
| 4:55 | Bonilla Revisited: New Results from Stable Isotope and Magnetic Susceptibility Analyses                                      | Mason McVey<br>Sally Horn<br>Chad Lane<br>Matthew Kerr                                                   | University of Tennessee<br>University of Tennessee<br>UNC Wilmington<br>University of Tennessee                                                                                                    |

**Paper Session**

Location: Regency H

## Advances in Remote Sensing and Machine Learning for Environmental Monitoring and Prediction

Chair: Ingrid Luffman, East Tennessee State University

|      |                                                                                                                                                                                             |                                     |                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------|
| 3:10 | Assessing Vegetation Dynamics and Ecosystem Impacts of Invasive Species in Water Conservation Area 3A Using Time Series Landsat Data and Object-Based Image Analysis (OBIA)                 | Gideon Tandoh                       | Jacksonville State University                                      |
| 3:25 | A Novel Methodology for Estuarine Shoreline Delineation Using Satellite Imagery at Cape Hatteras National Seashore                                                                          | Haley Baker                         | Old Dominion University                                            |
| 3:40 | Forecasting Land Use and Land Cover (LULC) Using Random Forest Model in Google Earth Engine (GEE) in Tri-Cities, Tennessee                                                                  | Rezaul Bari Ishan<br>Ingrid Luffman | East Tennessee State University<br>East Tennessee State University |
| 3:55 | Crop Yield Prediction Using Gross Primary Production and Deep Transfer Learning                                                                                                             | Shahid Nawaz Khan<br>Dapeng Li      | University of Alabama<br>University of Alabama                     |
| 4:05 | Per- and Polyfluoroalkyl Substances (PFAS) Contaminants Assessment for Tennessee Source Water: Geospatial Spatial Analysis for Water Quality Monitoring and Potential Source Apportionment. | Olatayo Abimbola<br>Ingrid Luffman  | East Tennessee State University<br>East Tennessee State University |

## Paper Session

Location: Gardenia

### Forest Ecosystems and Wildlife: Machine Learning, Conservation, and Spatial Patterns

Chair: Jerry Griffith, UNC Pembroke

|      |                                                                                                                                |                                                                                                                              |                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3:10 | Land Cover Impacts on American Kestrel Nesting Success in Pennsylvania: Insights for Conservation                              | Jerry Griffith<br>Rebecca McCabe<br><br>Bracken Brown<br><br>Mercy Melo<br><br>Laurie Goodrich<br><br>Jean-François Therrien | UNC Pembroke<br>Acopian Center for Conservation Learning<br>Acopian Center for Conservation Learning<br>Acopian Center for Conservation Learning<br>Acopian Center for Conservation Learning<br>Acopian Center for Conservation Learning |
| 3:25 | Experiential Learning in Dendrochronology: Partnership with the Gwinnett County, GA, Park System                               | Joseph Henderson<br>David Dorrell                                                                                            | Georgia Gwinnett College<br>Georgia Gwinnett College                                                                                                                                                                                     |
| 3:40 | Assessing Spatial Patterns and Drivers of Species Richness and Functional Group Diversity in the Eastern United States Forests | Samiksha Banjara<br>Youngsang Kwon                                                                                           | University of Memphis<br>University of Memphis                                                                                                                                                                                           |
| 3:55 | Assessing the Influence of Prescribed Burns on Male Wild Turkey Movement Patterns: A Brownian Bridge Movement Model Analysis   | Youngsang Kwon<br>Cheongok Jeon<br>Douglas Osborne                                                                           | University of Memphis<br>Seoul National University<br>University of Arkansas at Monticello                                                                                                                                               |

|      |                                                                                                                         |                                                                                            |                                                                                                                                    |
|------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 4:05 | The Importance of Daily Extreme Rainfall on Acorn Production in the Bent Creek Experimental Forest, North Carolina, USA | Tommy Patterson<br>Katie Greenberg<br>Avery Catherwood<br>Paul Knapp<br>Andrew Hacket-Pain | North Carolina A&T State University<br>United States Forest Service<br>UNC Greensboro<br>UNC Greensboro<br>University of Liverpool |
|------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

## Paper Session

Location: Redbud

### Urban Mobility, Accessibility, and Community Resilience: Spatial Approaches to Transportation Equity

Chair: Helen Rosko, Georgia Southern University

|      |                                                                                                             |                                                            |                                                                             |
|------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------|
| 3:10 | Development, Place, & Community Resilience in Coastal Georgia                                               | Helen Rosko                                                | Georgia Southern University                                                 |
| 3:25 | Assessment of Cycling Environment with Deep Learning Models: Analyzing Street View Images in Virginia State | Abdul-Azeez Lawal<br>Kim Junghwan                          | Virginia Tech<br>Virginia Tech                                              |
| 3:40 | EV Charging Accessibility in Research Triangle Area, NC: A Spatial-Temporal Analysis of EV Charging Equity  | Gregory Carlton<br>Selima Sultana                          | UNC Greensboro<br>UNC Greensboro                                            |
| 3:55 | Enhancing Pedestrian Safety around Jacksonville State University: A Multi-Approach GIS Study                | Husain Alegimenlen                                         | Jacksonville State University                                               |
| 4:05 | A Ticket to Ride: Unraveling the Equity of Bus Stop Amenities                                               | Nicko Tovar<br>Selima Sultana<br>Greg Carlton<br>Joe Weber | UNC Greensboro<br>UNC Greensboro<br>UNC Greensboro<br>University of Alabama |

## Paper Session

Location: Dogwood

### Assessing Tropical CyclonesI: From the Atlantic Basin to the Indian Ocean

Chair: Corene Matyas, University of Florida

|      |                                                                                                                                         |                                                               |                                                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 3:10 | Dominant Patterns of Moisture Surrounding Atlantic Basin Hurricanes                                                                     | Corene Matyas<br>Dasol Kim<br>Stephanie Zick<br>Kimberly Wood | University of Florida<br>Seoul Technical University<br>Virginia Tech<br>University of Arizona |
| 3:25 | Comparison of Three Precipitation Datasets in Capturing Rainfall Patterns During Tropical Cyclones in the North Indian Ocean            | Airin Akter<br>Corene Matyas                                  | University of Florida<br>University of Florida                                                |
| 3:40 | Using Observed and Synthetic Tropical Cyclones to Analyze the Past and Future of Tropical Cyclone Activity in Charlotte Harbor, Florida | Nicholas Grondin<br>Darri Stuber                              | University of Tampa<br>University of Tampa                                                    |

**Paper Session**

Location: Magnolia

**Innovative Pedagogy in Geography: Leveraging OER and AI for Engaged Learning**Chair: Mark Sciuchetti, Jacksonville State University

|      |                                                                                   |                      |                               |
|------|-----------------------------------------------------------------------------------|----------------------|-------------------------------|
| 3:10 | Bringing OER into Geography: A Path to Inclusive and Engaging Pedagogy            | Mark Sciuchetti      | Jacksonville State University |
| 3:25 | Developing OER for GIS and the Lab: Expanding Hands-On Learning                   | Uli Ingram           | Kennesaw State University     |
| 3:40 | A Student Perspective on OER: Engaging, Accessible, and Impactful                 | Margaret Lane Walton | University of Tennessee       |
| 3:55 | Generative AI for Geographic Research and Education: Opportunities and Challenges | Junghwan Kim         | Virginia Tech                 |

**Panel Session**

Location: Crepe Myrtle

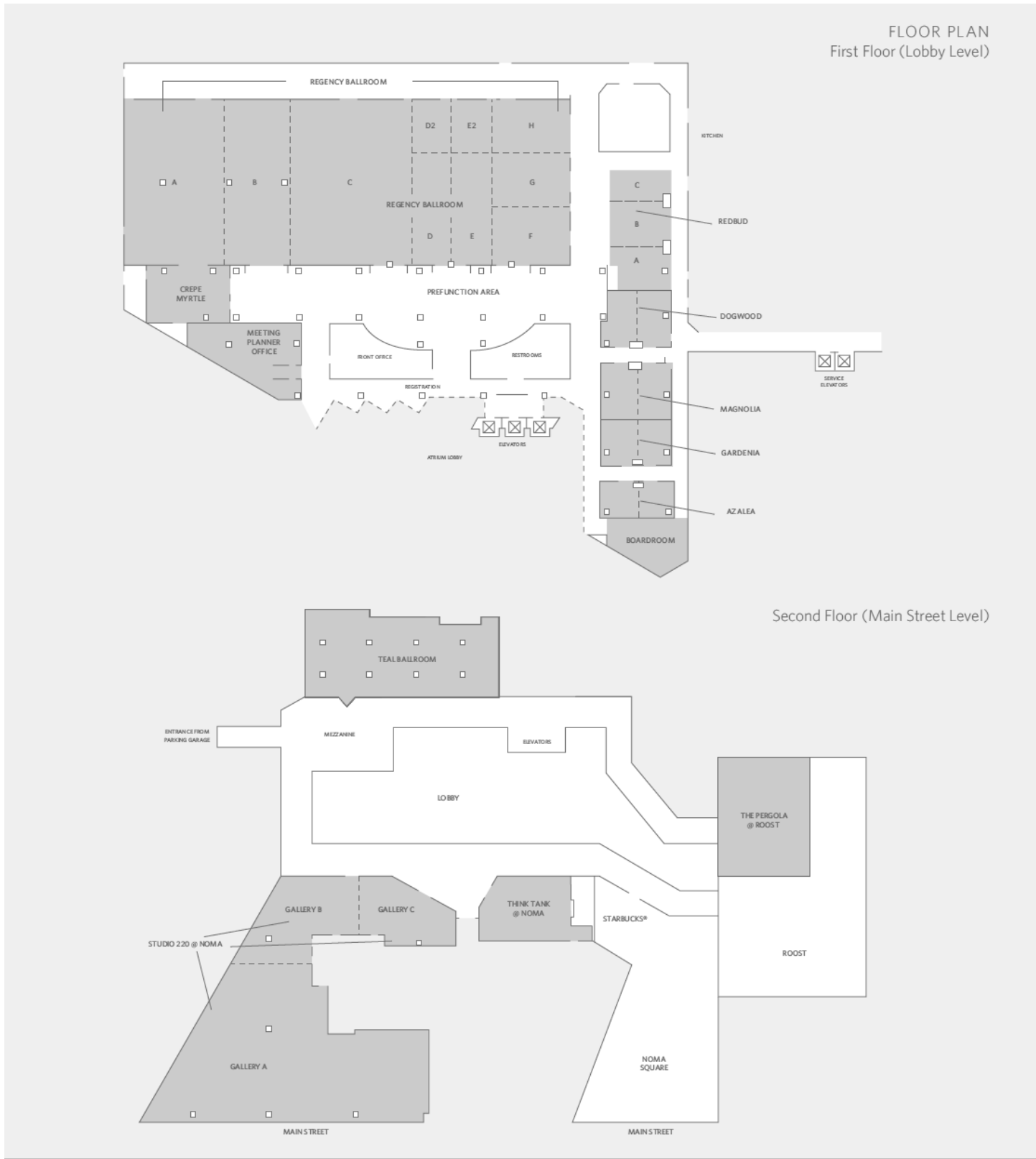
**5 Minute Tips and Tricks: A roundtable of pointers from instructors on how to improve student engagement and faculty teaching efficacy in the classroom**Organizer: Jennifer Rahn, Samford University

Panelists: Jennifer Rahn, Samford University (Moderator); Heidi Lannon, Santa Fe College; Travis Bradshaw, Liberty University; Jacqueline Gallagher, University of Mary Washington; Lynn Resler, Virginia Tech; Tom Allen, Old Dominion University; Mario Mighty, University of North Alabama; Dawn Drake, University of Oklahoma

Session Description: This roundtable panel, titled **5 Minute Tips and Tricks**, brings together instructors to share quick, practical pointers on enhancing student engagement and improving teaching efficacy in the classroom. Panelists will provide insights into effective methods for creating dynamic and interactive learning environments. This discussion aims to equip educators with strategies that can be easily implemented to boost both student and faculty performance.

**5:10 pm – 6:00 pm****SEDAAG Business Meeting****Location: Teal Ballroom****6:00 pm – 7:15 pm****World Geography Bowl Championship****Location: Regency C****7:30 pm – 9:30 pm****Honors Banquet and Plenary Address****Location: Regency D/E/F/G/H**

VENUE FLOOR PLANS



## **COVID-19 MITIGATION**

SEDAAG *highly encourages* the use of masks in public spaces regardless of vaccination status. We are committed to protecting public health and will follow all safety measures based on the guidelines from the Centers for Disease Control and hotel requirements. We continue to monitor changes and will post or announce updates related to the impact of COVID-19.

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## NOTES: