



MARINE EXTENSION AND GEORGIA SEA GRANT  
**RESEARCH SYMPOSIUM**

*Science Serving Georgia's Coast*



Marine Extension and  
Georgia Sea Grant  
UNIVERSITY OF GEORGIA



1:00 – 1:15 p.m. . . . . **OPENING REMARKS** . . . . . Jennifer Frum  
Vice President of Public Service and Outreach

1:15 – 1:30 p.m. . . . . **OVERVIEW** . . . . . Mark Risse  
Director of Marine Extension and Georgia Sea Grant

1:30 – 2:20 p.m. . . . . **SUSTAINABLE FISHERIES AND AQUACULTURE**  
Moderator: Tom Bliss

Climate Connections? New Approaches to Forecasting the Georgia Fall White  
Shrimp Harvest in the Age of Shrimp Black Gill . . . . . Marc Frischer  
University of Georgia

An Update on the UGA Oyster Hatchery and Preliminary Results from a Regional Project  
to Improve Oyster Production Using off-bottom Culture Techniques . . . . . Tom Bliss  
University of Georgia

Chemical Cues and Bacterial Mats: A Green Tech Approach for Oyster Recruitment . . . . . Thomas Manning  
Valdosta State University

2:20 – 3:15 p.m. . . . . **HEALTHY COASTAL ECOSYSTEMS**  
Moderator: Katy Smith

Understanding our Coastal Shorelines to  
Manage where the Sea Meets the People . . . . . Kimberly Andrews  
University of Georgia

Remotely Sensed Estimates of *Spartina*  
*alterniflora* Below Ground Biomass . . . . . Deepak Mishra & Jessica O'Connell  
University of Georgia

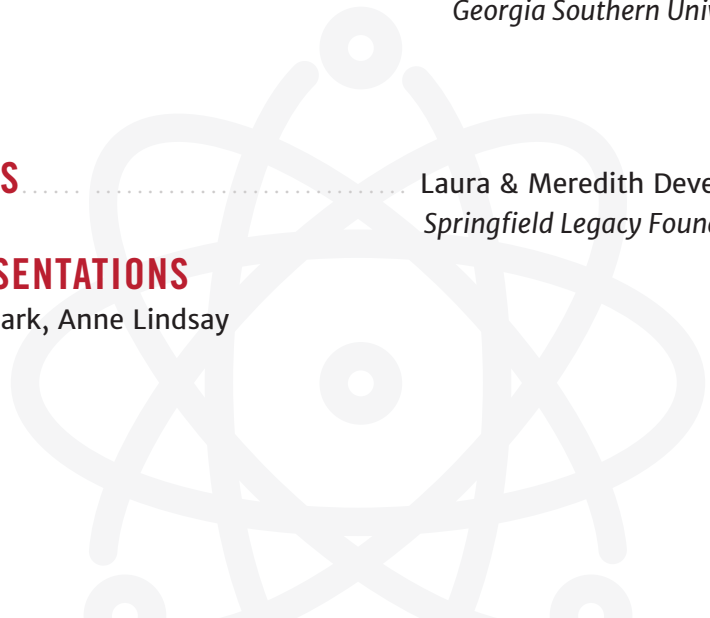
The Role of the *Spartina* Phytobiome in Restoration  
and Resilience to Environmental Change . . . . . Joel E. Kostka & Max Kolton  
Georgia Institute of Technology

Sensitivity of Gray's Reef Invertebrates and Algae  
to Ocean Acidification and Implications for the Ecosystem . . . . . Daniel Gleason & Brian Hopkinson  
Georgia Southern University

3:15 – 3:30 p.m. . . . . **BREAK**

3:30 – 3:45 p.m. . . . . **GUEST SPEAKERS** . . . . . Laura & Meredith Devendorf  
Springfield Legacy Foundation

3:45 – 5:15 p.m. . . . . **LIGHTNING PRESENTATIONS**  
Moderators: Kayla Clark, Anne Lindsay



5:15 p.m.

## ADJOURN

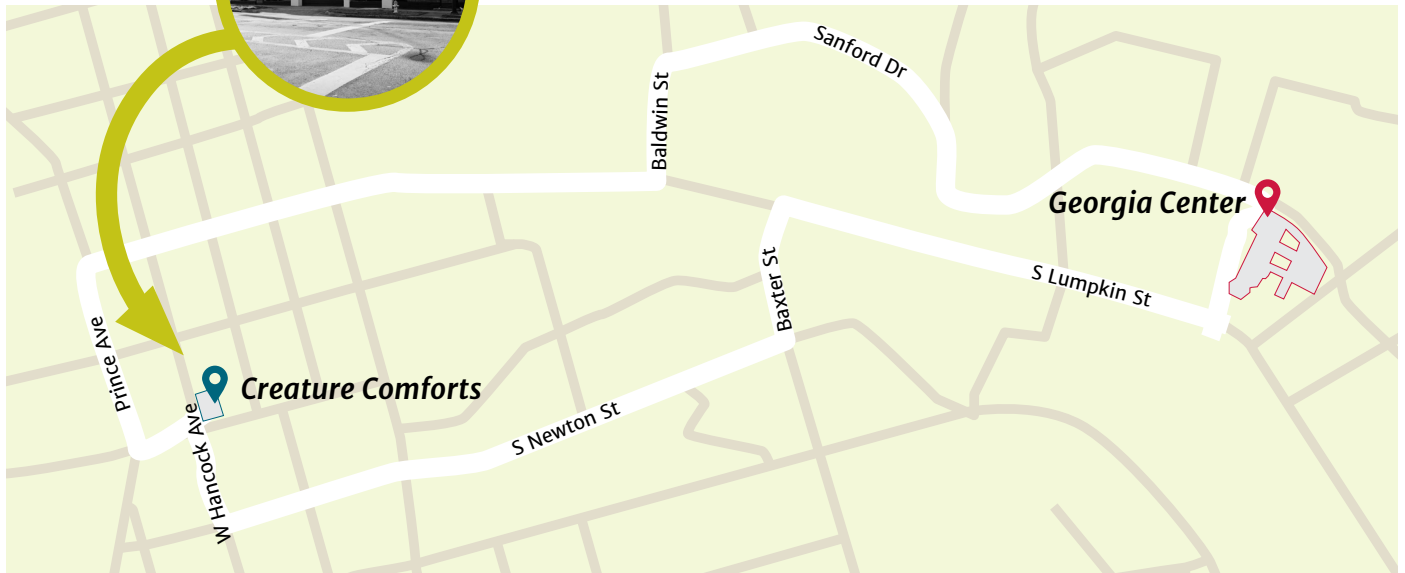
6:00 - 8:00 p.m.

## RECEPTION AT CREATURE COMFORTS

Light snacks and beverages will be provided



271 W Hancock Ave, Athens, GA 30601



### FRIDAY, JUNE 1

8:00 – 9:00 a.m.

## BREAKFAST AND KEYNOTES

Jill Andrews

*DNR Coastal Resources Division*

& Matt Sitwoski

*The Weather Channel*

9:00 – 9:30 a.m.

## RECOVERY AND RESPONSE TO HURRICANE IRMA

Moderator: Mona Behl

Preliminary Results of an Investigation of Tidal Reach, Storm Surge, and Inter-connected Factors Supporting Resiliency in Coastal Georgia

Shawn Rosenquist & Chris Hintz  
*Savannah State University*

Persistent Hydrological Consequences of Hurricane Interactions with the Georgia Coastline: Preliminary Findings

Paul Miller  
*University of Georgia*

Response of Stressed Marsh to Hurricane Irma

Jacque Kelly & Christine Hladik  
*Georgia Southern University*

9:30-10:30 a.m. .... **RESILIENT COMMUNITIES AND ECONOMIES**  
Moderator: Jill Gambill

A Geospatial Assessment of Nearshore Sand Resources and Sediment Transport  
Pathways for Georgia Coastal Resiliency and Recovery ..... Clark Alexander  
*University of Georgia*

Real-time Flood Risk Modeling Using Social Media Data ..... Ge Zhang  
*Georgia Institute of Technology*

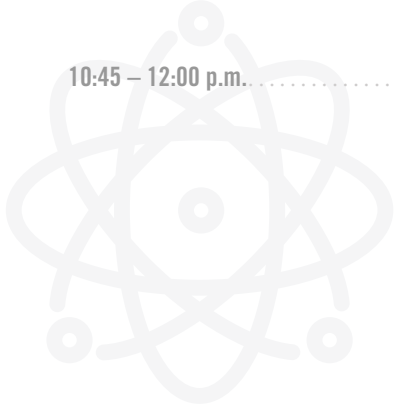
Governing Coastal Development in Six Southeastern States ..... Julia Shelburne  
*University of Georgia*

Dirty Duties: How Local Governments May be Held Increasingly  
Liable for Failure to Maintain Sewer Services due to Sea Level Rise ..... Danielle Goshen  
*University of Georgia*

Modeling Effects of Shoreline Armoring on Marsh  
Migration Under Sea Level Rise in Coastal Georgia ..... Brian Bledsoe  
*University of Georgia*

10:30 – 10:45 a.m. .... **BREAK**

10:45 – 12:00 p.m. .... **FACILITATED BREAKOUT GROUPS**



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