





Prepare, Respond, and Adapt:  
*Is Georgia Climate-Ready?*  
Climate Conference

November 2-3, 2016  
Jekyll Island, Georgia

[CoastalGaDNR.org](http://CoastalGaDNR.org)

MARK WILLIAMS  
COMMISSIONER

Director's message:

Georgia's coast is a place with unique beauty, a rich cultural heritage and, abundant natural resources. Our unspoiled beaches are a treasure, contributing substantially to local, state, and national economies. Georgia's marshes rank among the most productive and diverse ecosystems on earth, performing invaluable service functions. Tabby ruins on secluded barrier islands offer a glimpse into days bygone.

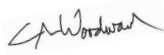
The earth's changing climate is one of the greatest environmental challenges of the 21<sup>st</sup> century. It is critical that preparations to reduce our vulnerabilities to predicted changes in rainfall, temperature, and weather patterns be initiated now. Because of its topography and location within the South Atlantic Bight, Georgia's coast will be among the first areas to experience the effects of sea level rise, which has been occurring at the rate of 3mm/year for the past 70 years.

The Department of Natural Resources (DNR), along with other state agencies and partners, is working diligently to make our state more resilient to the predicted effects of a changing climate. We are doing this through focused and relevant research, thoughtful engagement of local governments and communities, and on-the-ground infrastructure modification where feasible.

The mission of the DNR Coastal Resources Division is to balance coastal development and protection of the coast's natural assets, socio-cultural heritage, and recreational resources for the benefit of present and future generations. An integral part of fulfilling our mission is leadership in areas such climate change adaptation. By organizing and hosting this conference, we hope to provide a forum for effective information exchange and knowledge transfer and to strengthen existing partnerships, stimulate interest in new partnerships, and eliminate redundancy so fiscal and human resources are used wisely.

I hope you will enjoy your time on Jekyll Island, one of Georgia's Golden Isles. Please take the time to enjoy some fresh local seafood, a stroll under moss-draped live oaks, and the hospitality that makes our area so special.

Sincerely,



Spud Woodward

Director, Coastal Resources Division

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-  Agriculture
-  Communications
-  Economics
-  Energy Resources

-  Habitat & Impacted Species
-  Invasive Species
-  Law and Policy
-  Living Shorelines
-  Local Government

-  GIS/Mapping
-  Public Health
-  Research
-  Resiliency & Adaptation
-  State Efforts
-  GIS Tools



# Planning Committee

This conference would not be possible without the expertise and contributions of the following team:

Jill Andrews - GADNR CRD	Ben Carswell - JIA
Sonny Emmert - GADNR CRD	Todd Driver - GDPH
Kelly Hill - GADNR CRD	Bruce Jefferies GDPH
Jennifer Kline - GADNR CRD	Charles McMillan - GA Conservancy
Jan Mackinnon - GADNR CRD	Katherine Moore - GA Conservancy
Stefanie M. Nagid - GADNR CRD	Clark Alexander - UGA
Jason Lee - GADNR WRD	Jill Gambill - UGA
Eamonn Leonard - GADNR WRD	Shana Jones - UGA
Adam Mackinnon - GADNR WRD	Craig Landry - UGA
Doug Samson - GADNR WRD	Scott Pippin - UGA
Jacob Thompson - GADNR WRD	Mark Risse - UGA
Suzanne VanParreren - GADNR WRD	Madie Russell - UGA
Hedi Stiller - NOAA	

## Abbreviations

<b>APA</b>	American Planning Association	<b>G-WRAP</b>	Georgia Wetlands Restoration Access Portal
<b>CISMA</b>	Cooperative Invasive Species Management Area	<b>INS</b>	Invasive Non-native Species
<b>CFM</b>	Community Floodplain Manager	<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>CRC</b>	Coastal Regional Commission	<b>JIA</b>	Jekyll Island Authority
<b>CRD</b>	Coastal Resources Division	<b>LID</b>	Low Impact Development
<b>CRS</b>	Community Rating System	<b>LTER</b>	Long-Term Ecosystem Research
<b>CSS</b>	Coastal Stormwater Supplement	<b>NOAA</b>	National Oceanic and Atmospheric Administration
<b>CVIOG</b>	Carl Vincent Institute of Government	<b>NRCS</b>	Natural Resources Conservation Service
<b>CZM</b>	Coastal Zone Management	<b>OCM</b>	Office for Coastal Management
<b>DRRP</b>	Disaster Recovery and Redevelopment Plan	<b>O<sub>3</sub></b>	Ozone
<b>EPA</b>	Environmental Protection Agency	<b>SINERR</b>	Sapelo Island National Estuarine Research Reserve
<b>EPD</b>	Environmental Protection Division	<b>SLAMM</b>	Sea Level Affecting Marsh Model
<b>FEMA</b>	Federal Emergency Management Agency	<b>SLR</b>	Sea Level Rise
<b>GADNR</b>	Georgia Department of Natural Resources	<b>UF</b>	University of Florida
<b>GCAMP</b>	Georgia Coastal and Marine Planner	<b>UGA</b>	University of Georgia
<b>GCMP</b>	Georgia Coastal Management Program	<b>USDA</b>	United State Department of Agriculture
<b>GDA</b>	Georgia Department of Agriculture	<b>USFS</b>	United State Forest Service
<b>GDPH</b>	Georgia Department of Public Health	<b>WRD</b>	Wildlife Resources Division
<b>GI</b>	Green Infrastructure		
<b>GIS</b>	Geographic Information System		

# Prepare, Respond, and Adapt: Is Georgia Climate-Ready?

## Climate Conference Agenda Summary





Wednesday  
November 2, 2016

Time	Event	Location
10:00am - 5:30pm	Registration	Registration Desk
10:00am - 12:30pm	Sponsor Setup	Lobby
10:00am - 12:30pm	Poster Setup	Oceanside Salon
1:00pm - 1:30pm	Welcome Address	Ballroom H
1:30pm - 3:00pm	<b>Concurrent Session 1</b>	Ballroom H and Rooms 7, 8 and 9
3:00pm - 3:20pm	Networking Break	Lobby
3:20pm - 4:50pm	<b>Concurrent Session 2</b>	Ballroom H and Rooms 7, 8 and 9
5:00pm - 9:00pm	Poster Session	Oceanside Salon

Thursday  
November 3, 2016

Time	Event	Location
7:30am - 8:00am	Coffee Talk	Lobby
8:00am - 8:30am	Welcome Address	Ballroom H
8:30am - 10:00am	<b>Concurrent Session 3</b>	Ballroom H and Rooms 7, 8 and 9
10:00am - 10:20am	Networking Break	Lobby
10:20am - 11:50am	<b>Concurrent Session 4</b>	Rooms 7,8 and 9
11:50am - 1:20pm	Keynote Luncheon	Ballroom G
1:20pm - 2:50pm	<b>Concurrent Session 5</b>	Rooms 7,8 and 9
2:50pm - 3:10pm	Networking Break	Lobby
3:10pm - 4:40pm	Conference Synthesis	Ballroom H




### Concurrent Session 1

 GIS/Mapping	Ballroom H
 Invasive Species	Room 7
 Local Government-DRRP	Room 8
 Law and Policy-Takings	Room 9




### Concurrent Session 2

 GIS Tools	Ballroom H
 Resiliency & Adaptation	Room 7
 Local Government-CRS	Room 8
 Law and Policy-Roads	Room 9




### Concurrent Session 3

 Habitat & Impacted Species	Ballroom H
 Research	Room 7
 Local Government-Resiliency	Room 8
 Economics	Room 9

### Concurrent Session 4

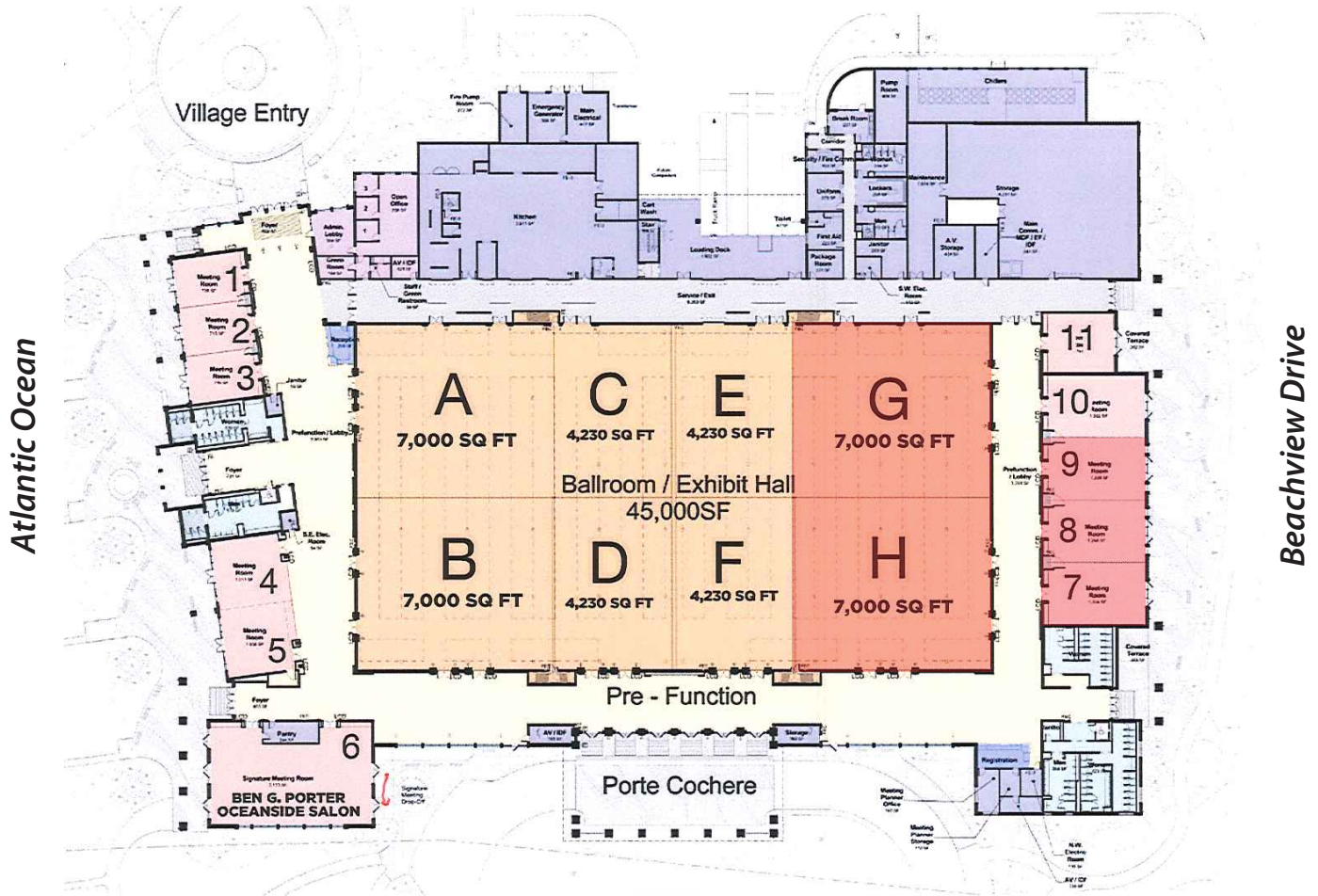
 Living Shorelines	Room 7
 Communications	Room 8
 Energy Resources	Room 9

### Concurrent Session 5

 Agriculture	Room 7
 Public Health	Room 8
 State Efforts	Room 9



# Jekyll Island Convention Center



## Continuing Education Units

The 2016 Climate Conference is providing continuing education units (CEUs):

- **Certified Planners** with the American Planning Association will receive 1.5 credits per individual session attended.
- **Floodplain Managers (FM)** with the Association of State Floodplain Managers (ASFPM) will receive 9.5 credits for attending the entire conference. FMs must obtain a certificate of completion and the self-reporting form from the registration desk.
- **Attorneys** with the Georgia Bar Association (GBA) will receive 3 credits for attending the entire conference. Please check in at the registration desk to ensure the conference host submits your name appropriately to the GBA.
- **Professional Engineers** will self-report the total attending hours to the Georgia Secretary of State. Please obtain your certificate of completion at the registration desk.

# Prepare, Respond, and Adapt:

## *Is Georgia Climate-Ready?*

### Climate Conference Agenda

Wednesday, November 2, 2016

#### Concurrent Session #1 – 1:30pm-3:00pm



##### **GIS/Mapping – Ballroom H (Sonny Emmert)**

*Building natural infrastructure into coastal resilience planning: An overview and demonstration of methods available through The Nature Conservancy's coastal resilience network* – **Mary Conley**, SE Director of Marine Conservation, The Nature Conservancy, [mconley@tnc.org](mailto:mconley@tnc.org)

*Changes to Risk and Vulnerability from Landfalling Hurricanes in Coastal Georgia under Future Climate Scenarios* – **Dr. Shane Hubbard**, Research Scientist, University of Wisconsin, [shane.hubbard@ssec.wisc.edu](mailto:shane.hubbard@ssec.wisc.edu)

*Correction of tidal marsh digital elevation models and modeling marsh resilience with sea level rise* –

**Dr. Christine Hladik**, Assistant Professor, GA Southern University, [chladik@georgiasouthern.edu](mailto:chladik@georgiasouthern.edu) and **Dr. Ellen Herbert**, Postdoctoral Researcher, Virginia Institute of Marine Sciences, [erherbert@vims.edu](mailto:erherbert@vims.edu)

*Development and Application of AMBUR for Shoreline Change and Vulnerability Assessments* – **Dr. Chester W. Jackson, Jr.**, Associate Professor, GA Southern University, [cjackson@georgiasouthern.edu](mailto:cjackson@georgiasouthern.edu)



##### **Invasive Species – Room 7 (Eamonn Leonard)**

*Interactive effects of drought and plant invasions on longleaf pine communities* – **Dr. Luke Flory**, Assistant Professor, University of Florida, [flory@ufl.edu](mailto:flory@ufl.edu)

*Mangroves on the move: effects of mangrove expansion on Southeast coastal invertebrate communities* – **Rachel Smith**, PhD Candidate, University of Georgia, [rsmith218@gmail.com](mailto:rsmith218@gmail.com)

*A geographic model of tilapia survival probability for a potentially invasive species* – **Dr. Nate Nibbelink**, Associate Professor, University of Georgia, [nate2@uga.edu](mailto:nate2@uga.edu)

*Novel Ecosystems* – **Dr. Jason Evans**, Assistant Professor, Stetson University, [jevans1@stetson.edu](mailto:jevens1@stetson.edu)



##### **Local Government: Disaster Recovery and Redevelopment Plan – Room 8 (Kelly Hill)**

*After the Storm – Chatham County's Road to Recovery and Redevelopment* – **Jackie Jackson**, Former Director of Comprehensive Planning, Chatham County-Savannah Metropolitan Planning Commission, and **Dennis Jones**, Director, Chatham Emergency Management Agency, [dtjones@chathamcounty.org](mailto:dtjones@chathamcounty.org)

*Local and State DRRP Projects* – **Jennifer Kline**, Coastal Resources Specialist, GA Department of Natural Resources, [jennifer.kline@dnr.ga.gov](mailto:jennifer.kline@dnr.ga.gov)

*National Disaster Recovery Framework* – **Robert Haywood**, Federal Disaster Recovery Coordinator, FEMA, [Robert.haywood2@fema.gov](mailto:Robert.haywood2@fema.gov)

*Brunswick-Glynn Joint Water and Sewer Commission Infrastructure Vulnerability Assessment to Climate Change* – **Lisa Danner**, Senior Managing Associate, Hagerty Consulting, [lisa.danner@hagertyconsulting.com](mailto:lisa.danner@hagertyconsulting.com)



##### **Law and Policy: Takings – Room 9 (Shana Jones)**

*Is flooding eroding sovereign immunity with "negligent takings" claims?* – **Shana Jones**, Public Service Assistant, University of Georgia, [shanaj@uga.edu](mailto:shanaj@uga.edu); with **Scott Pippin** ([jspippin@uga.edu](mailto:jspippin@uga.edu)) and **Mandi Moroz** ([mmoroz4@uga.edu](mailto:mmoroz4@uga.edu))



# Prepare, Respond, and Adapt:

## *Is Georgia Climate-Ready?*

### Climate Conference Agenda

Wednesday, November 2, 2016

#### Concurrent Session #2 – 3:20pm-4:50pm



#### **GIS Tools – Ballroom H (stations will be available for use until 6:00pm) (Sonny Emmert)**

*Georgia Coastal Hazards Portal* – **Dr. Clark Alexander**, Professor, Skidaway Institute of Oceanography, clark.alexander@skio.uga.edu

*Building natural infrastructure into coastal resilience planning: An overview and demonstration of methods available through The Nature Conservancy's coastal resilience network* – **Mary Conley**, SE Director of Marine Conservation, The Nature Conservancy, mconley@tnc.org

*Georgia Coastal and Marine Planner (GCAMP) and Georgia Wetlands Restoration Access Portal (G-WRAP)* – **Tony Giarrusso**, Associate Director, GA Institute of Technology, tonyg@gatech.edu

*Tools for Local Government* – **Hunter Key**, GIS Manager, Coastal Regional Commission, hkey@crc.ga.gov

*A Decision Support System for Exploring Climate-Based Risks and Opportunities* – **Corey Davis**, Applied Climatologist, NC State University, cndavis@ncsu.edu

*Using Smartphones in the Fight Against Invasive Species* – **Chuck Barger**, Associate Director, University of Georgia, cbarger@uga.edu

*CanVis* – **Adam Bode**, GIS Spatial Analyst, NOAA, adam.bode@noaa.gov

*Coastal Exposure Flood Mapper* – **Stephanie Fauver**, Meteorologist, NOAA, Stephanie.Fauver@noaa.gov

*Exploring the South Atlantic Conservation Blueprint* – **Hilary Morris**, Blueprint User Support and Communications, U.S. Fish and Wildlife Service, hilary\_morris@fws.gov



#### **Resiliency and Adaptation – Room 7 (Jan Mackinnon)**

*South Carolina's Hazard Vulnerability Assessment and Web Application* – **Jessica Boynton**, Shoreline Specialist, SC Department of Health and Environmental Control, boyntobj@dhec.sc.gov

*Shoreline Change Along the Georgia Coast* – **Dr. Chester W. Jackson, Jr.**, Associate Professor, GA Southern University, cjackson@georgiasouthern.edu

*Southeast Florida's Shoreline Resilience Working Group: Promoting Nature-Based Coastal Defenses* – **Caitlin Lustic**, Coastal Restoration Program Manager, The Nature Conservancy, clustic@tnc.org



#### **Local Government: Coastal Georgia CRS Users Group – Room 8 (Kelly Hill)**

*CRS in Unincorporated Chatham County and the City of Savannah* – **Tom McDonald**, Permitting/Floodplain Administrator, City of Savannah, tmcdonald@savannahga.gov

*CRS at the local level and development of a Program for Public Information* – **Ron Feldner**, City Manager, City of Garden City, rfeldner@gardencity-ga.gov and **Ed DiTommaso**, Principal Planner, GeoRec, ed@georec.net



#### **Law and Policy: Roads – Room 9 (Shana Jones)**

*How should local governments balance their interests in protecting property rights and access to property with fiscal responsibility for maintaining frequently flooded roads?* – **Shana Jones**, Public Service Assistant, University of Georgia, shanaj@uga.edu; with **Dr. Kris Sikes** (krissike@uga.edu), **Thomas Ruppert** (ruppert@law.ufl.edu), and **Paul Wildes** (pwildes4@uga.edu)



# Prepare, Respond, and Adapt:

## *Is Georgia Climate-Ready?*

### Climate Conference Agenda

Thursday, November 3, 2016

#### Concurrent Session #3 – 8:30am-10:00am

##### **Habitat and Impacted Species – Ballroom H (Eamonn Leonard)**

*Drones for Ecotones: Using remote sensing to study oyster/Spartina facilitation in an era of change* – **Daniel Harris**, PhD Student, University of Georgia, robert.d.harris@gmail.com

*Using environmental diversity to plan for sea level rise for at-risk salt marsh birds* – **Dr. Elizabeth Hunter**, Postdoctoral Researcher, University of Nevada, Reno, elizabethhunter@unr.edu

*Rising Tides: The potential effects of sea level rise on Georgia fisheries* – **Rachel Guy**, Research Coordinator, Sapelo Island National Estuarine Research Reserve, rachel.guy@dnr.ga.gov

*A vulnerability assessment and prioritization system for coastal ecosystems in Georgia* – **Dr. Joshua Reece**, Assistant Professor, California State University, Joshua\_reece@csufresno.edu

##### **Research – Room 7 (Dr. Clark Alexander)**

*Sea level rise, population projections, and migration: Projecting the future U.S. population in lieu of sea level rise* – **Mathew E. Hauer**, Applied Demographer, University of Georgia, hauer@uga.edu

*Whither Wetlands: A cross-site comparison of intertidal marsh persistence in response to sea-level rise* – **Dr. Meryll Alber**, Professor, University of Georgia, malber@uga.edu

*A regional perspective of coastal geological dynamics of the Georgia coast* – **Dr. Chester W. Jackson, Jr.**, Associate Professor, GA Southern University, cjackson@georgiasouthern.edu

##### **Local Government: Coastal Community Resiliency – Room 8 (Kelly Hill)**

*The challenge in dealing with secondary impacts of climate change* – **Allison Hardin**, Planner, City of Myrtle Beach, ahardin@cityofmyrtlebeach.com

*Carrying capacity study for Tybee Island* – **Courtney Reich**, Principal, Ecological Planning Group, courtney@ecologicalplanning.net

*Climate change and urban design* – **Richard Dagenhart**, Associate Professor, GA Institute of Technology, Richard.dagenhart@coa.gatech.edu and **Katherine Moore**, Director, Georgia Conservancy, kmoore@gaconservancy.org

##### **Economics – Room 9 (Dr. Craig Landry)**

*Preliminary analysis of homeowners' benefits from flood elevation retrofitting* – **Dr. Warren Kriesel**, Associate Professor, University of Georgia, wkriesel@uga.edu

*Applications of dynamic optimization in analysis of coastal erosion management* – **Dr. Craig E. Landry**, Professor, University of Georgia, clandry@uga.edu

*Costs and benefits of land use adaption with projections of wetland migration* – **Courtney Creswell**, Research Assistant, University of Georgia, clc@uga.edu

*Economic effects of climate change on tourism* – **James Luke Boutwell**, Research Fellow, Louisiana State University, jboutw3@lsu.edu



# Prepare, Respond, and Adapt:

*Is Georgia Climate-Ready?*

Climate Conference Agenda

Thursday, November 3, 2016

## Concurrent Session #4 – 10:20am-11:50am



### Living Shorelines – Room 7 (Ben Maher)

*Georgia's Living Shorelines: An overview from planning to monitoring success* – **Jan Mackinnon**, Coastal and Ocean Management Program Manager, GA Department of Natural Resources, [jan.mackinnon@dnr.ga.gov](mailto:jan.mackinnon@dnr.ga.gov)

*Living Shorelines in Georgia: A property owners perspective* – **Scott Coleman**, Ecological Manager, Little St. Simons Island, [scottc@littlessi.com](mailto:scottc@littlessi.com)

*Constructing living shorelines in Georgia* – **Tom Havens**, Civil Engineer, Coastal Civil Engineering, [tomhavens@coastalcivil.com](mailto:tomhavens@coastalcivil.com)



### Communications – Room 8 (Jill Gambill)

*Engaging people now about the future: Resources and insights from the science of risk communication* – **Stephanie Fauver**, Meteorologist, NOAA, [stephanie.fauver@noaa.gov](mailto:stephanie.fauver@noaa.gov)

*Commercial Communications* – **Bruce Karas**, Vice President of Environment, Sustainability, Safety and Technical Information, Coca Cola, [brkaras@coca-cola.com](mailto:brkaras@coca-cola.com)

*Benefits of trans-disciplinary collaborations* – **Dr. Patricia Yager**, Professor of Marine Sciences, University of Georgia, [pyager@uga.edu](mailto:pyager@uga.edu)

*Knowing your audience: Fostering climate communication and adaptation in the Carolinas* – **Dr. Elizabeth Fly**, Coastal Climate Extension Specialist, SC Sea Grant, [elizabeth.fly@scseagrant.org](mailto:elizabeth.fly@scseagrant.org)



### Energy Resources – Room 9 (Ben Carswell)

*Solarizing the South: Simplifying distributed solar energy for homes and businesses* – **Paul Wolff**, Former Tybee Island City Councilman, City of Tybee Island, [tybeeduo@bellsouth.net](mailto:tybeeduo@bellsouth.net)

*Energy options for Georgia: Past, Present, and Future* – **Aaron Mitchell**, Environmental Affairs General Manager, Georgia Power, [admitchell@southernco.com](mailto:admitchell@southernco.com)

*Solar: Part of the solution to climate change challenges and opportunities in our energy future* – **James Marlow**, Co-Founder and CEO, Radiance Solar, [james.marlow@radiancesolar.com](mailto:james.marlow@radiancesolar.com)

*Energy Efficiency in Atlanta's Climate Action Plan and Resilience Plan* – **Jairo Garcia**, Director, Climate Policies & Renewables, City of Atlanta Mayor's Office of Sustainability, [jhgarcia@atlantaga.gov](mailto:jhgarcia@atlantaga.gov)

# Prepare, Respond, and Adapt:

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Thursday, November 3, 2016

#### Concurrent Session #5 – 1:20pm-2:50pm

##### **Agriculture – Room 7 (Dr. Mark Risse)**

*Changes Georgia agriculture can expect to see and how the animal agriculture and climate change group has helped producers respond* – **Pamela Knox**, Climatologist, University of Georgia, pknox@uga.edu

*Irrigation and water management tools for farmers to use to respond to a changing climate* – **Dr. George Vellidis**, Engineer, University of Georgia, yiorgos@uga.edu

*Regional extension efforts in climate smart forestry and agriculture* – **Dan Geller**, eXtension Climate Learning Network Coordinator, University of Georgia Southern Regional Extension Forestry, dgeller@uga.edu

*USDA and Search tools for farmers and land owners in the southeast* – **Michael Gavazzi**, Program Coordinator, USDA SE Regional Climate Hub, mgavazzi@fs.fed.us

##### **Public Health – Room 8 (Bruce “Jeff” Jeffries)**

*The Georgia climate-public health nexus* – **Todd Driver**, District Environmental Health Director, Coastal Health District, todd.driver@dph.ga.gov and **Jessica Alcorn**, Doctoral Student, University of Georgia, jealcorn@uga.edu; with **Betsy Kagey** (Betsy.Kagey@dph.ga.gov)

##### **State Efforts – Room 9 (Jill Andrews)**

*Funding climate related projects through Coastal Incentive Grants* – **Stefanie M. Nagid**, Grants Coordinator, GA Department of Natural Resources, stefanie.nagid@dnr.ga.gov

*CRD Enhancement and Strategy: 2010-2015* – **Jennifer Kline**, Coastal Resources Specialist, GA Department of Natural Resources, jennifer.kline@dnr.ga.gov

*CRD Enhancement and Strategy: 2016-2020* – **Kelly Hill**, Coastal Resources Specialist, GA Department of Natural Resources, kelly.hill@dnr.ga.gov

*Coastal Georgia Mapping* – **Sonny Emmert**, Coastal Resources Specialist, GA Department of Natural Resources, sonny.emmert@dnr.ga.gov

*Living Shorelines in Georgia* – **Jan Mackinnon**, Coastal and Ocean Management Program Manager, GA Department of Natural Resources, jan.mackinnon@dnr.ga.gov

*Wildlife in the face of climate change* – **Eamonn Leonard**, Natural Resources Biologist, GA Department of Natural Resources, eamonn.leonard@dnr.ga.gov



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Thursday, November 3, 2016

Keynote Luncheon – 11:50am-1:20pm (Ballroom G)

## Georgia Department of Natural Resources Welcomes Dr. Carl Parker



Meteorologist **Dr. Carl Parker** has been a fan of the skies for as long as he can remember. “Even as a kid, and I mean a young kid—five, six years old—I was fascinated by storms. I would look out the window for long periods of time, watching the show. And I still do that today.” In a supporting role with the Met Expert Team, Dr. Parker shares that passion with The Weather Channel’s severe, tropical and winter weather experts, both on and off the air.

“It’s been quite an honor to work with our experts every day, all of whom are arguably among the very most knowledgeable specialists in their fields,” says Carl. “I’ve learned an enormous amount from them over many years, and I still do, on regular basis.”

During Hurricane Irene, Dr. Parker was at the expert desk with Dr. Rick Knabb and Bryan Norcross for the better part of two days, analyzing the storm and assessing the threats from North Carolina to New England. And he’s often found with Dr. Greg Forbes during severe outbreaks.

“Being on with Greg during the tornado Superoutbreak of 2011 was an intense and troubling experience. In all of the years I’ve been doing this, I’ve never been so immediately aware of how awful it was, just based on the radar scans from Alabama. It was tough to soldier on.”

Dr. Parker joined The Weather Channel as an On-Camera Meteorologist (OCM) in 1999, and says that “it’s been very rewarding—now and again I’ll hear from people who say they heard me talk about the business end of a severe storm taking aim on a specific location, and that they then took cover and made it through.” He was an OCM for his first 12 years with The Weather Channel, and then joined the Expert Team just prior to the severe season in 2011.

From 1995 to 1999, Dr. Parker was with KPRC-TV in Houston, TX, garnering both personal and professional experience with tropical storms and hurricanes. He covered hurricane Georges and Opal from the field for KPRC, and would later chase powerful hurricane Bret on his own.

Prior to Houston, Dr. Parker worked for WHTM-TV and WHP-TV in Harrisburg, PA, where he covered the Superstorm of 1993, a freak of nature that clobbered the Eastern seaboard. He began his career in 1991 at WTVA-TV in Tupelo, MS, while still in the Meteorology Program at Mississippi State University. He also studied science and communications at the University of Maryland, and holds the American Meteorological Society’s Seal of Approval.

Dr. Parker was born in Boston and raised in the Washington, D.C. metro area. He currently lives in northwest metro Atlanta with his wife of 10 years and their two young children. Carl is also a drummer/percussionist/keyboard composer, and a huge fan of live music.



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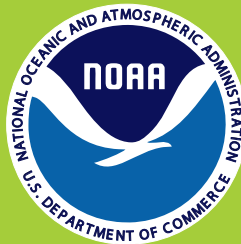


# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

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## COASTAL RESOURCES DIVISION



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