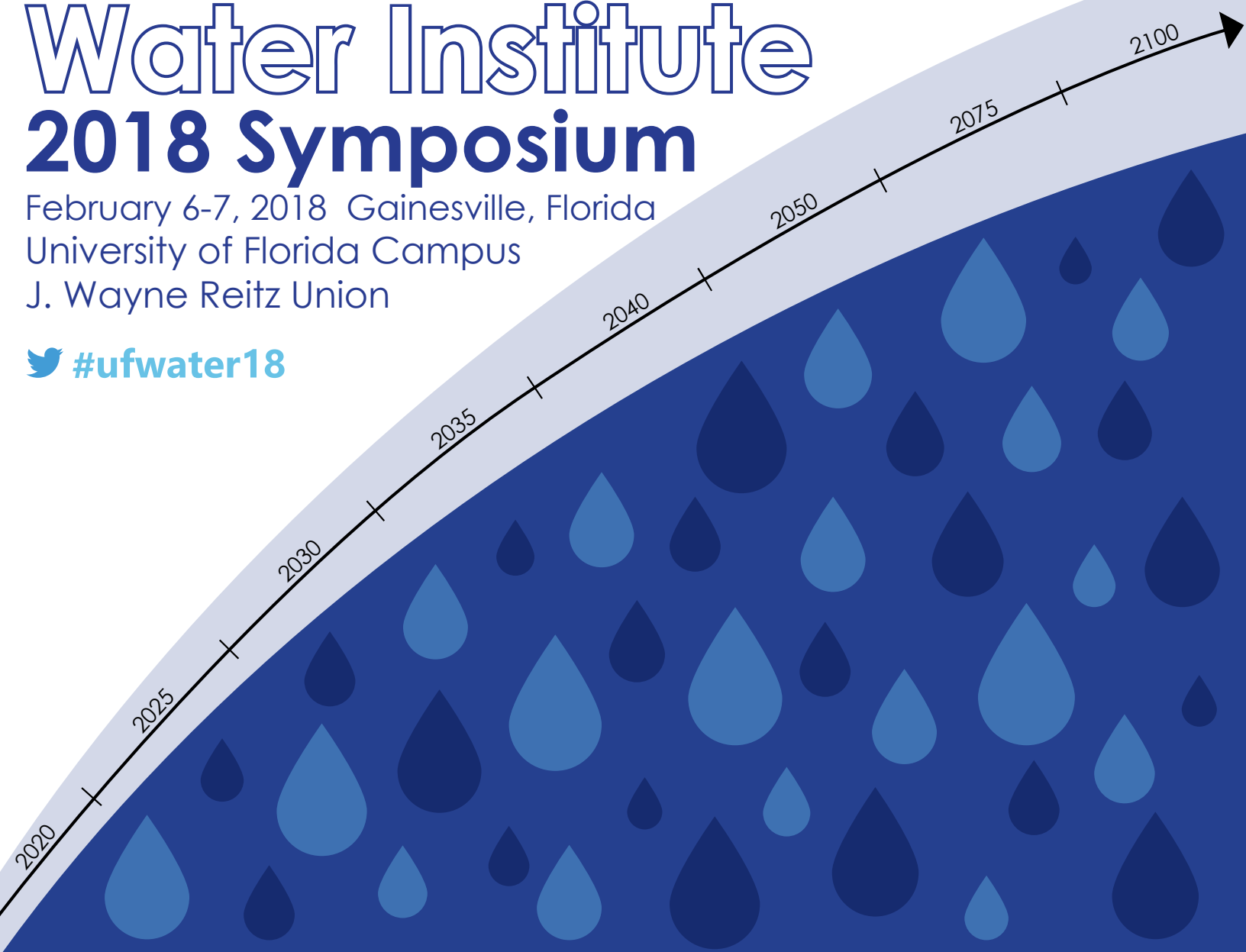


University of Florida Water Institute 2018 Symposium

February 6-7, 2018 Gainesville, Florida
University of Florida Campus
J. Wayne Reitz Union

 #ufwater18



Sustainable Water Resources

Complex Challenges, Integrated Solutions

Shaping Our Water Future



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Acknowledgements

We gratefully acknowledge the contribution of the following people who helped make this Symposium a success.

Symposium Program Committee

- Cynthia L. Barnett, UF Graham Center and College of Journalism and Communications
- Drew Bartlett, FL Department of Environmental Protection
- Paula Cobb, Duke Energy
- Christa Court, UF Food and Resource Economics Department
- Matthew J. Cohen, UF School of Forest Resources and Conservation
- Todd Crowl, Florida International University
- Joseph J. Delfino, UF ESSIE/Environmental Engineering Sciences
- Steve Dwinell, FL Department of Agriculture and Consumer Services
- Casey Fitzgerald, St. Johns River Water Management District
- Richard Hutton, Gainesville Regional Utilities
- Jeffrey C. Johnson, UF Anthropology Department
- David A. Kaplan, UF ESSIE/Environmental Engineering Sciences
- Jim Laing, South Florida Water Management District
- Kati W. Migliaccio, UF Department of Agricultural and Biological Engineering
- Martha C. Monroe, UF School of Forest Resources and Conservation
- Temperince Morgan, The Nature Conservancy of Florida
- K. Ramesh Reddy, UF Soil and Water Sciences Department
- Spiro E. Stefanou, UF Food and Resource Economics Department

University of Florida Water Institute Staff

- Megan Almaguer, Program Assistant
- Mary Garvin, Administrative Specialist II
- Carol Lippincott, Research Coordinator III
- Lisette Staal, Research Coordinator III

Volunteers

Volunteers include graduate and undergraduate students from the Department of Agricultural and Biological Engineering, Department of Anthropology, Department of Environmental and Global Health, Engineering School of Sustainable Infrastructure & Environment, School of Natural Resources and Environment, College of Public Health and Health Professions, UF/IFAS Extension, Environmental Horticulture Club, Wetlands Club and Water Institute Graduate Fellows program.

Welcome from the University of Florida

President W. Kent Fuchs



Faculty, students and special guests, on behalf of the University of Florida, welcome to the 6th Water Institute Symposium!

In a water-dependent state, the work of UF's Water Institute and this impressive symposium always strike me as both urgent and timely. This year's symposium is particularly so, occurring on the heels of a year of extreme rains, record flooding in Florida and other regions and continuing concerns about the health and abundance of Florida's freshwater resources - from the Everglades to the signature springs that surround us here in North Florida.

None of these challenges can be solved in isolation or without input and direction from across the sciences and public policy landscapes. That's what makes this symposium and its tradition of bringing together scientists, industry representatives, public policy leaders, environmental advocates, communicators, students and others so vital.

Since the UF Water Institute was established in 2006, it has done much to further science, education and policy surrounding a broad array of freshwater issues. In this achievement, the institute embodies UF and our mission of serving the public good as one of the nation's leading research universities. I am proud of the Water Institute's contributions to freshwater science from Gainesville to the globe. I thank each of you for your part in this scholarship, and for your participation in this year's symposium.

I wish you a thought-provoking, engaging and inspiring gathering - one with a positive and lasting impact on an issue that is critical to all the world.

Sincerely,

W. Kent Fuchs
President, University of Florida

Senior Vice President for Agriculture and Natural Resources Jack Payne



Dear symposium guests,

Welcome to two days with some of the most influential thought leaders in Florida water. The sixth UF Water Institute Symposium brings together people from academia, government, industry, the non-profit sector, and the humanities who have water on the brain all the time.

These are the folks who will, as the symposium's title suggests, help shape our water future. We are glad to see you among them.

Whether you're on the podium or in the audience, your presence here contributes to a larger cause. We at the University of Florida's Institute of Food and Agricultural Sciences support the UF Water Institute as part of our mission to promote the sustainable use of our most precious natural resource.

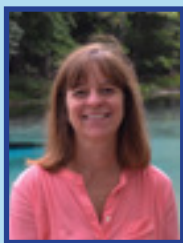
Lately we've hired five regional specialized Extension agents for water, assembled a team of new faculty focused on creating a less thirsty model for the development of new Florida neighborhoods, and opened a research station that will reinforce our sustainability approach to water use in the agricultural region of Suwannee Valley.

There are so many ways to come at the science of water. We hope you'll help us discover even more. Thank you for attending.

Sincerely,

Jack Payne
Senior Vice President for Agriculture and Natural Resources
UF Institute of Food and Agricultural Sciences

UF Water Institute Director Wendy Graham



Dear Colleagues,

Thank you for joining us for the 6th UF Water Institute Symposium.

This symposium provides an intellectually stimulating venue that links leading researchers, educators and students with resource managers, policymakers, non-governmental organizations, authors and artists interested in exploring interdisciplinary solutions to current water challenges.

Over the course of the next two days over 160 contributed oral, poster and panel presentations will focus on drivers and impacts of change on Florida's coastal, wetland, spring, river and aquifer systems. Tradeoffs among development, conservation and restoration strategies will be examined, and potential solutions for sustaining our water systems will be explored.

Water problems are often categorized as wicked problems because our scientific understanding is incomplete, our goals contradictory, and complex interdependencies result in unexpected outcomes. We welcome you to join with us to ask difficult questions, listen to unexpected answers, engage in constructive dialog, and learn from those outside your area of expertise so that together we can envision and chart a path to a sustainable water future.

Thanks again for attending the 6th UF Water Institute Symposium. We value your contributions and encourage your active participation.

Wendy Graham
Carl S. Swisher Chair in Water Resources
Director University of Florida Water Institute



Event Floor Plan - 2nd Floor - J. Wayne Reitz Union



Agenda - Tuesday, February 6, 2018

7:30 AM - 8:30 AM	Registration and Check-In	Registration Desk
8:30 AM - 10:00 AM	Opening Plenary Session <ul style="list-style-type: none">• Dr. Wendy Graham, Director, University of Florida Water Institute• Dr. Jack Payne, Senior Vice President for Agriculture and Natural Resources, University of Florida• Harry Sideris, State President—Florida, Duke Energy Florida Keynote: <ul style="list-style-type: none">• Sandra Postel, Director, Global Water Policy Project <i>Replenish: The Virtuous Cycle of Water and Prosperity</i>	Grand Ballroom
10:00 AM - 10:30 AM	Book Signing <p>Sandra Postel will be available to sign her new book <i>Replenish: The Virtuous Cycle of Water and Prosperity</i>.</p>	Reception Lobby
10:00 AM - 10:30 AM	Refreshment Break	North Hallway
10:30 AM - 12:00 PM	Forest Ecohydrology <p>(Moderator: David Kaplan, Environmental Engineering Sciences, ESSIE, University of Florida)</p> <ul style="list-style-type: none">• Subodh Acharya, Postdoctoral Researcher, School of Forest Resources and Conservation, University of Florida <i>Forest Management for Water Conservation: Understanding Drivers of Forest Water Use and Yield</i>• Damian Adams, Associate Professor, School of Forest Resources and Conservation, University of Florida <i>Economic tradeoffs between carbon sequestration and water yield in southern pine forests</i>• Kathryn McCurley, Graduate Research Fellow, PhD Program, University of Florida <i>Impacts of decreasing tropical forest cover on local hydrologic regimes</i>• Patrick J. Minogue, Associate Professor of Silviculture and Extension Specialist, University of Florida <i>Effect of harvesting pine straw on ammonia volatilization following polymer-coated and non-coated urea fertilizer applications on a North Florida slash pine plantation</i>• Ana Carolina Oliveira Fiorini, PhD candidate, University of Florida <i>Participation in a Payment for Environment Service: "Produtores de Água e Floresta" case study</i>	Room 2315
10:30 AM - 12:00 PM	Engaging Stakeholders in Developing Solutions to Water Issues <p>(Moderator: Paula Cobb, Duke Energy)</p> <ul style="list-style-type: none">• Tirusew Asefa, Planning & System Decision Support Group Lead, Tampa Bay Water <i>Understanding Climate Variability and Climate change in Planning for Future Water Supply: A Stakeholder-Scientist Collaborative Approach</i>• Charles Barrett, Water Resources RSA, UF/IFAS Extension <i>The Suwannee River Partnership Education Team improves communication, builds relationships and improves adoption of Best Management Practices</i>• Jessica Ann Bolson, Research Scientist, Florida International University <i>A stakeholder-science based approach for understanding urban water sustainability challenges across the U.S.</i>	Room 2320

Sponsored By: Duke Energy

Sponsored By: AWRA Florida



Agenda - Tuesday, February 6, 2018

- Brenda J. Mills, Principal Project Manager, South Florida Water Management District
Solutions Found Together: Getting Water Off Farms and into Nature
- Jennison Kipp Searcy, Resource Economist and Sustainable Floridians State Coordinator, UF/IFAS Program for Resource Efficient Communities
The “Watery” Work of Community Engagement and the CIVIC Extension Program

Sponsored By: OUC-The Reliable One

10:30 AM - 12:00 PM

Water and Regional Science

Room 2335

Economic prosperity, quality of life, and the environment are all inextricably linked by water. The interdisciplinary field of regional science – with its focus on the important roles of local and regional processes to socioeconomic performance and sustainability, its explicit treatment of spatial relationships, and its increasing attention devoted to modeling the linkages between the human system and the environment – is ideally suited to contribute high quality, policy relevant research on water.

(Moderator: Christa Court, Food and Resource Economics Department, University of Florida)

- Christa D. Court, Assistant Scientist, Food and Resource Economics Department, University of Florida
Water and Regional Science
- Kieran Patrick Donaghy, Professor, City and Regional Planning, Cornell University
Integrated Assessment Modeling of Regional Water Infrastructure Problems
- Xiang Bi, Assistant Professor, Food and Resource Economics Department, University of Florida
Public Preferences for Water Resource Management of the Ocklawaha River
- Jad Ziolkowska, Assistant Professor, University of Oklahoma
Desalination for Future Water Supply in the US - Economic, Environmental and Social Issues

Sponsored By: Southern Regional Science Association

10:30 AM - 12:00 PM

Agricultural Water and Nutrient Management 1

Room 2365

(Moderator: Jim Laing, South Florida Water Management District)

- Kevin Athearn, Regional Specialized Extension Agent, Rural and Agribusiness Development, IFAS Extension, University of Florida
Improvements in Water and Nutrient Management by Suwannee Valley Watermelon Growers
- Lincoln Zotarelli, Associate Professor, Horticultural Sciences Department, University of Florida
Nitrogen fertilizer management for potatoes under different irrigation systems
- Maria Isabel Zamora Re, Graduate Student, University of Florida
BMPs evaluation at field scale to reduce nitrogen leaching without impact on corn yield
- Unmesh Koirala, Graduate Student, School of Forest Resources and Conservation, University of Florida
Enterprise-level Economic Impacts of Agricultural BMP adoption to Meet Florida Water Quality and Quantity Standards

Sponsored By: Tampa Bay Water

10:30 AM - 12:00 PM

Challenges & Opportunities for Spring System Restoration 1

Auditorium

(Moderator: K. Reddy, Soil and Water Sciences Department, University of Florida)

- Casey Fitzgerald, Director, Springs Protection Initiative, St. Johns River Water Management District
Restoration of Florida’s Iconic Springs: Legislative, “Turn Dirt” and Scientific Solutions
- James Jawitz, Professor, Soil and Water Sciences Department, University of Florida
Through the hidden veins of the earth: How do water and solutes get to Silver Springs?
- Rob de Rooij, Research Assistant Scientist, University of Florida Water Institute
Conduit and Fracture Flow Modeling

Agenda - Tuesday, February 6, 2018

- Patrick W. Inglett, Associate Professor, Soil and Water Sciences Department, University of Florida
Identifying N Sources and Transformations in the Silver Spring Springshed, USA
- Andy Canion, Supervising Environmental Scientist, St. Johns River Water Management District
Geospatial Modeling Approaches to Support Springs Protection Projects at SJRWMD

Sponsored By: Gainesville Regional Utilities

12:00 PM - 1:30 PM

Buffet Luncheon

Grand Ballroom

1:30 PM - 3:00 PM

Wetland Ecosystems

Room 2315

(Moderator: Joseph Delfino, Environmental Engineering Sciences, ESSIE, University of Florida)

- Ian Hahus, PhD Candidate, University of Florida
Exploring the space-time continuum: the influence of model resolution and timestep on the performance of a landscape-scale wetland model
- Joann Mossa, Professor, Geography, University of Florida
Decreased Floodplain Inundation and Lateral Connectivity of the mid-Apalachicola River following Dredging-Related Channel Changes
- Robert V. Sobczak, Hydrologist, Big Cypress National Preserve
The Hydrology of the Big Cypress Before Canals (and the Myth of the Rain-Driven Swamp)
- Laura Isabel Lotero, Graduate Student, University of South Florida
The Role of High-Elevation Parámo Wetlands in Generation of Streamflow and Water Supply in the Northern Andes, Colombia

Sponsored By: AWRA Florida

1:30 PM - 3:00 PM

Sharing Information: Effective Communication Strategies

Room 2320

(Moderator: Martha Monroe, School of Forest Resources and Conservation, University of Florida)

- Ruth Hohl Borger, Assistant Vice President, UF/IFAS Communications, University of Florida
Florida's water storytellers: How the media communicate about Florida's water issues and what it means for scientists working on water issues
- Lara Milligan, Natural Resources Agent, UF/IFAS Extension Pinellas County
The Florida Waters Stewardship Program: A New Extension Program Driving Social Change
- Michael C. Sukop, Professor, Florida International University
Using Social Network Analysis to Identify and Understand Linkages Between Climate-related Organizations in Southeast Florida
- Andrea R. Albertin, Northwest District Regional Water Resources Extension Agent, University of Florida
Meeting the resource needs of the private well owner community

Sponsored By: OUC-The Reliable One

1:30 PM - 3:00 PM

Estuarine Ecology and Water Quality

Room 2335

(Moderator: Matthew Cohen, School of Forest Resources and Conservation, University of Florida)

- Mike Wessel, Vice President, Janicki Environmental
Developing an innovative nutrient management strategy for Southwest Florida Tidal Creeks by Linking Source Water Concentrations, Instream Processes, and Estuarine Dynamics
- John R. Cassani, Calusa Waterkeeper
In Support of Re-instating the Florida Harmful Algal Bloom Task Force: Establishing New Strategies for Monitoring, Prediction and Public Notification
- Joshua Papacek, PhD Student, University of Florida
Bottom-up Controls of Recent Harmful Algal Blooms in the northern Indian River Lagoon, FL



Agenda - Tuesday, February 6, 2018

- Gisselle Guerra, PhD Student, Civil and Coastal Engineering Department, University of Florida
Statistical assessment of saltwater intrusion in a subtropical estuary
- Peter Frederick, Research Professor, Department of Wildlife Ecology and Conservation, University of Florida
Introducing resilience to estuaries through restoration of oyster habitat in Florida's Big Bend

Sponsored By: Amec Foster Wheeler

1:30 PM - 3:00 PM

Agricultural Water and Nutrient Management 2

Room 2365

(Moderator: Jim Laing, South Florida Water Management District)

- Eban Bean, Assistant Professor & Extension Specialist, Department of Agricultural and Biological Engineering, University of Florida
Soil Moisture Time Series Analysis for Estimating Field Capacity: Person vs. Machine
- Andre Luiz Biscaia Ribeiro da Silva, PhD Candidate, Horticultural Sciences Department, University of Florida
Soil water dynamics of shallow water table soils cultivated with potato crop
- Maria Vracholi, PhD Candidate, University of Florida
Impact Evaluation of New Irrigation Technology in Crete: Correcting for Selectivity Bias
- Ibukun Ayankojo, Research Assistant, Southwest Florida Research and Education Center, University of Florida
*The Use of Smartphone Application (SmartIrrigation Vegetable) for Irrigation Scheduling in Tomato (*Solanum Lycopersicon*) Production*
- Sri Charan Kakarla, Engineer I, University of Florida - SWFREC
Automated and Voice-Controlled Irrigation System for Specialty Crops

Sponsored By: Tampa Bay Water

1:30 PM - 3:00 PM

Challenges & Opportunities for Spring System Restoration 2

Auditorium

(Moderator: Peter Sucsy, St. Johns River Water Management District)

- Robert Hensley, Postdoctoral Associate, University of Florida
Flow declines and reversals as a driver of algal proliferation in springs
- David Kaplan, Assistant Professor, Environmental Engineering Sciences, ESSIE, University of Florida
Connecting Spring Run Hydraulics and Ecosystem Structure in the Silver River
- Mitra B. Khadka, Postdoctoral Researcher, University of Florida
Nutrient and Trace Metal Dynamics at the Sediment-Water Interface in Silver River, Florida
- Todd Z. Osborne, Assistant Professor, Soil and Water Sciences Department, University of Florida
Relationships between submerged aquatic vegetation, increased nitrate, and the proliferation of algae in Florida springs: lessons learned from mesocosm experiments

Sponsored By: Gainesville Regional Utilities

3:00 PM - 3:30 PM

Refreshment Break

Grand Ballroom

3:30 PM - 5:00 PM

Water Quality Issues

Room 2315

(Moderator: Joseph Delfino, Environmental Engineering Sciences, ESSIE, University of Florida)

- Rick Copeland, Environmental Consultant, Florida Department of Environmental Protection
Statewide Changes in Florida's Lake, Stream, and Aquifer Water Quality: 2000-2015
- John Hendrickson, Supervising Environmental Scientist, St. Johns River Water Management District
Patterns in Surface Water Phosphorus Concentrations and Biosolids Utilization in the Upper St. Johns River

Agenda - Tuesday, February 6, 2018

- Sara Phelps, Graduate Research Fellow, The Whitney Laboratory for Marine Bioscience, University of Florida
A closer look at nutrient source identification: accelerated dissolution of geologic phosphate deposition in humic lakes
- Mary Lucy Szafraniec, Senior Scientist, Amec Foster Wheeler
Sediment Nutrient Flux to Assess Nutrient Management Alternatives
- Gregg W. Jones, Water Resources Technical Director, Cardno
Aquifer Recharge with Minimally Treated Stormwater to Augment Groundwater Supplies - Regulatory Framework, Research, and Pilot Projects

Sponsored By: Water & Air Research, Inc.

3:30 PM - 5:00 PM

Challenges & Opportunities for Everglades System Restoration

Room 2335

(Moderator: Peter Frederick, Department of Wildlife Ecology and Conservation, University of Florida)

- Del Bottcher, President and Senior Engineer, Soil and Water Engineering Technology, Inc.
Load Estimation Tool for the Lake Okeechobee Watershed
- Masanori Fujimoto, Research Assistant Professor, Soil and Water Sciences Department, University of Florida
Microbe-mediated nutrient transformation in the Everglades Stormwater Treatment Areas (STAs)
- Younggu Her, Assistant Professor, Tropical Research and Education Center/Agricultural & Biological Engineering, University of Florida
Lake Okeechobee inflow projection using an agricultural watershed model
- Yogesh Khare, Environmental Engineer, Everglades Foundation
Heuristic assessment of restoration strategies to achieve phosphorus target in Lake Okeechobee
- Rajendra Paudel, Hydrologist, Everglades Foundation
Water Quality and Ecological Responses to Hydrologic Restoration Options in the Everglades

Sponsored By: INTERA Incorporated

3:30 PM - 5:00 PM

Who Are They? Understanding Audiences to Design or Improve Programs

Room 2320

(Moderator: Martha Monroe, School of Forest Resources and Conservation, University of Florida)

- Sadie Hundemer, PhD Student, University of Florida
Into the minds of stakeholders: Using mental models to enhance communication and collaboration in water policy
- Jyothi Swaroop Bommidi, Graduate Student, University of Florida
Exploring Rural and Urban Residents Perceptions on Agriculture Water Use
- Maria C. Morera, Postdoctoral Researcher, University of Florida
Targeting audience segments for outdoor water conservation: A comparison of high and low irrigators in central and southwest Florida
- Chelsey Crandall, Postdoctoral Research Associate, University of Florida
Community-involvement in watershed management: Surveying citizens along the Indian River Lagoon

Sponsored By: OUC-The Reliable One

3:30 PM - 5:00 PM

Use of Technology to Shape our Water Future

Room 2365

(Moderator: Kati Migliaccio, Department of Agricultural and Biological Engineering, University of Florida)

- Eric S. McLamore, Associate Professor, Department of Agricultural and Biological Engineering, University of Florida
Mobile phone-based nanosensor diagnostics for planetary health
- William R. Eisenstadt, Professor, Department of Electrical and Computer Engineering, University of Florida
Wireless Weather Stations and Maintenance Training for Haitian Agriculture



Agenda - Tuesday, February 6, 2018

- Kati Migliaccio, Professor, Department of Agricultural and Biological Engineering, University of Florida
Using smartphone apps to make water management decisions
- Thiago Borba Onofre, Graduate Student, University of Florida
AgroClimate Wireless Sensor Networks to Improve Resource Use Efficiency in Agriculture
- Alina Zare, Associate Professor, Machine Learning & Sensing Lab, Herbert Wertheim College of Engineering, University of Florida
Synthetic Aperture SONAR Soft Segmentation using Possibilistic Fuzzy Local Information C-Means

Sponsored By: Tampa Bay Water

3:30 PM - 5:00 PM

Challenges & Opportunities for Spring System Restoration 3

Auditorium

(Moderator: Todd Osborne, Soil and Water Sciences Department, University of Florida)

- Matthew Cohen, Professor, School of Forest Resources and Conservation, University of Florida
Primary Production in Spring-Fed Rivers
- Thomas Frazer, Director and Professor, University of Florida, School of Natural Resources and Environment
From Algae to Alligators: Exploring Trophic Structure in Florida's Spring-Run Ecosystems
- Sean King, Professional Engineer, Southwest Florida Water Management District
Salinity pulses and manatee herbivory as drivers of submerged aquatic vegetation community changes in coastal Florida spring systems
- Robert A. Mattson, Environmental Scientist V, St. Johns River Water Management District
Synoptic Survey of Algal Communities in 14 Florida Spring-Run Streams

Sponsored By: Gainesville Regional Utilities

5:15 PM - 5:30 PM

Poster Judges Briefing

Room 2320

5:00 PM - 7:30 PM

Reception with appetizers and cash bar

Grand Ballroom

5:30 PM - 7:30 PM

Poster Session

Grand Ballroom

(Moderator: Carol Lippincott, University of Florida Water Institute)

Poster Themes (see page 23 for list of poster presenters)

- Agricultural/Silvicultural Water
- Climate Change/Hydrology
- Coastal Waters
- Human Water Needs/Use
- Stream/River Dynamics
- Water Quality - Water Management
- Wetlands

Sponsored By: OUC-The *Reliable One*
Tampa Bay Water
Duke Energy
Carl S. Swisher Foundation

Agenda - Wednesday, February 7, 2018

8:30 AM - 10:00 AM

Urban Water and Nutrient Management 1

Room 2315

(Moderator: Rick Hutton, Gainesville Regional Utilities)

- Eban Bean, Assistant Professor & Extension Specialist, Department of Agricultural and Biological Engineering, University of Florida
Mitigating Compaction in New Residential Developments: Effects on Urban Vadose Zone Hydrology and Soil Quality
- Chris Keller, President, Wetland Solutions, Inc.
Kanapaha hybrid stormwater/reclaimed water recharge wetland
- Alexander J. Reisinger, Assistant Professor, Soil and Water Sciences Department, University of Florida
Development and validation of low-cost sensor platforms for monitoring urban water quality
- Sanjay Shukla, Professor, Department of Agricultural and Biological Engineering, University of Florida
Hydraulically Circumventing Phosphorus Release from Aged Stormwater Detention Systems

Sponsored By: Amec Foster Wheeler

8:30 AM - 10:00 AM

Water Policy, Planning and Management

Room 2320

(Moderator: Spiro Stefanou, Food and Resource Economics Department, University of Florida)

- Stan Bronson, Executive Director, Florida Earth Foundation
A Global Strategic Initiative: Actionable Solutions for International Water Management
- Eric Tyler Olsen, Attorney, Hopping Green & Sams
Water Supply Planning - Road map to Florida's water supply and growth future
- Christine Prouty, Research Assistant, University of South Florida
Context-Sensitive Approaches to Water/Wastewater Management in a Coastal Environment: A Case Study from Southern Belize
- Roger William Sims, Partner, Holland & Knight
Protecting and restoring Florida's water resources: a legal perspective
- Robert D. Teegarden, Water Policy & Research Officer, OUC - The Reliable One
Carbon Utilization - Florida's potential pathway and processes for converting to the bioeconomy--Research and the prospects for collaborating across the energy, water and agriculture sectors

Sponsored By: INTERA Incorporated

8:30 AM - 10:00 AM

Coastal Flooding, Storm Surge and Sea Level Rise

Room 2335

(Moderator: Todd Crawl, Florida International University)

- Matlack Edward Gillin, Student, University of Florida
Meteotsunami Occurrence and Propagation in the Northeastern Gulf of Mexico
- Sangdon So, Postdoctoral Associate, University of Florida
Storm surge from Hurricane Irma along the Florida Peninsula
- Matthew Conlin, Graduate School Fellow Research Assistant, University of Florida
Investigating the drivers of coastal flooding hazards through observations of coastal landscape evolution: a case study at NASA-Kennedy Space Center, Cape Canaveral, Florida
- Arnaldo Valle-Levinson, Professor, Civil and Coastal Engineering, ESSIE, University of Florida
Linkage between sea-level rise hot-spots in the Southeastern United States and the Gulf of Mexico
- Tom Gustafson, Director, Research Programs, Office of Finance and Administration, Florida International University
Islands of South Florida

Sponsored By: Peace River Manasota Regional Water Supply Authority



Agenda - Wednesday, February 7, 2018

8:30 AM - 10:00 AM

Impacts of Dams and Socioecological Systems 1

Room 2365

(Moderator: James Jawitz, Soil and Water Sciences Department, University of Florida)

- Steve Leitman, , Waters Without Borders
Performance Metrics: The link between hydrology, engineering and ecology in the Apalachicola/Chattahoochee/Flint Basin
- Tiffany Higgins, Environmental Journalist, Translator, Independent Researcher & Journalist
Munduruku Responses to Sao Manoel and Teles Pires Hydroelectric Dams in Brazil's Amazon: Indigenous Observations of and Resistance to Hydrologic River Changes due to Dams, Mining, and Soy Production
- David Kaplan, Assistant Professor, Environmental Engineering Sciences, ESSIE, University of Florida
Quantifying the ecohydrological impact of dams in the Amazon
- Walterlina Brasil, Professor, UNIR - UNIVERSIDADE FEDERAL DE RONDONIA
The Scientific Community in Projects of Dams in the Amazon

Sponsored By: Southern Regional Science Association

8:30 AM - 10:00 AM

Challenges & Opportunities for Spring System Restoration 4

Auditorium

(Moderator: Jodi Slater, St. Johns River Water Management District)

- Raymond Miller, Project Manager, Dewberry
Topobathy Lidar Mapping in Kings Bay
- Michael Alfieri, Principal Hydrogeologist, Water Resource Associates, LLC
Groundwater quality source evaluation for the Rainbow Springs group, Marion County, Florida: A pilot program
- Amanda Desormeaux, Graduate Fellow, School of Natural Resources and Environment/Soil and Water Sciences, University of Florida
Balancing the Nitrogen Budget in Silver Springs: In Situ Measurements of Nitrate Fluxes and Attenuation
- Mary Lusk, Water Resources Specialist, UF/IFAS
Onsite Wastewater Treatment and Disposal Systems in Florida's Springsheds: Managing the Interrelations between Spring Water Quality and Physical Infrastructure Needs
- Grant Gatson, Technical Professional II, Wood plc, formerly Amec Foster Wheeler
Ichetucknee Springshed Water Quality Improvement Project Infiltration Treatment Wetland Creation and Denitrification Wall Implementation

Sponsored By: Water & Air Research, Inc.

10:00 AM - 10:30 AM

Refreshment Break

North Hallway

10:30 AM - 12:00 PM

Urban Water and Nutrient Management 2

Room 2315

(Moderator: Rick Hutton, Gainesville Regional Utilities)

- Lynn Barber, Extension Faculty, Florida Friendly Landscaping, University of Florida
Community Water Wise Award Program: Hillsborough, Pasco and Pinellas Counties
- Bernardo Cardenas, Research Associate, University of Florida
Testing Smart Irrigation Controllers in the Real World
- Stacie Greco, Senior Planner, Alachua County Environmental Protection Department
Reducing Residential Landscape Irrigation with Regulatory and Social Marketing Tools
- Georgina M. Sanchez, Graduate Research Assistant, Center for Geospatial Analytics, North Carolina State University
Water Use in Urbanized Areas: Effects of Urban Form and Socio-Ecological Drivers
- Nicholas Taylor, State Specialized Extension Agent, University of Florida
H2OSAV: A Water Conservation Program Data Hub

Sponsored By: Amec Foster Wheeler

Agenda - Wednesday, February 7, 2018

10:30 AM - 12:00 PM

Hydrologic Modeling and Water Management

Room 2320

(Moderator: Sanjay Shukla, Department of Agricultural and Biological Engineering, University of Florida)

- Paul Decker, Student, University of Florida
Challenges to Rainfall-Runoff and Transit Time Distribution Modeling Within the Southeastern Coastal Plain, USA
- Gary Feng, Research Soil Scientist, USDA-ARS
Evaluating Surface Available Water as Alternative and Developing Sustainable Groundwater Management Practices Using Coupled SWAT-MODFLOW Modeling
- Ying Ouyang, Research Hydrologist, USDA Forest Service
A Pond and Irrigation Model (PIM) for Simultaneously Predicting Crop Irrigation Demand and Pond Water Availability: A Case Study in Mississippi
- Mathews Jackson Wakhungu, PhD Student and Graduate Assistant, University of South Florida
Managing Interdependent Infrastructures: Water, Stormwater, and Transportation
- Jiangxiao Qiu, Assistant Professor, University of Florida
Nonlinear response of ecosystem services to groundwater availability under climate extremes

Sponsored By: INTERA Incorporated

10:30 AM - 12:00 PM

Coastal Ecosystems

Room 2335

(Moderator: Todd Crowl, Florida International University)

- Katie Glodzik, PhD Student, University of Florida
Geographic drivers of coastal forest die-off and change since 1984 in the Lower Suwannee NWR
- Braulio Juarez, Graduate Student, Civil and Coastal Engineering Department, University of Florida
Tidal and residual circulation in a multiple-inlet deltaic system
- John F. Meeder, Research Professor, Florida International University
Enhancing coastal wetland resilience to sea level rise; just add water?
- Beth A. Middleton, Research Ecologist, US Geological Survey
Wind and salt: coastal wetland resilience to hurricanes
- Xuqi Chen, PhD Student, University of Florida
Public Preferences for Adaptation Strategies to Sea Level Rise: The Role of Perception, Knowledge, and Experience

Sponsored By: Peace River Manasota Regional Water Supply Authority

10:30 AM - 12:00 PM

Impacts of Dams on Socioecological Systems 2: Case Study–Kirkpatrick (aka Rodman) Dam

Room 2365

(Moderator: Carol Lippincott, University of Florida Water Institute)

- Steven Noll, Master Lecturer, Department of History, University of Florida
It's About Dam Time: The Continuing Fight over Rodman Dam and Ocklawaha River Restoration
- Matt Keene, Filmmaker, Pallet House Pictures
Lost Springs - A film about springs hidden under the impoundment behind Kirkpatrick (aka Rodman) Dam and revealed during brief water drawdowns
- Tatiana Borisova, Extension Specialist / Associate Professor, Food and Resource Economics Department, University of Florida
Public Preferences for Water Resource Management of the Ocklawaha River

Sponsored By: Southern Regional Science Association



Agenda - Wednesday, February 7, 2018

10:30 AM - 12:00 PM

Challenges & Opportunities for Spring System Restoration 5

Auditorium

(Moderator: Casey Fitzgerald, St. Johns River Water Management District)

This panel will initially provide an overview of the current water quality and quantity regulatory and management framework influencing Florida's springs. This will be followed by a summary of the major findings of the recently completed, three-year collaborative SJRWMD/UF science effort and identification of some strategic future research options. The panel will close with an open discussion of management implications of these and other recent scientific springs related findings and potential implementation paths forward.

Panel members include:

- Thomas Frick, Director, Division of Environmental Assessment and Restoration, Florida Department of Environmental Protection
- John C. Good, P.E., Chief Professional Engineer, Suwannee River Water Management District
- Dean Dobberfuhl, Bureau Chief, St. Johns River Water Management District
- Thomas K. Frazer, Professor and Director, School of Natural Resources and Environment, University of Florida

Sponsored By: Water & Air Research, Inc.

12:00 PM - 1:15 PM

Lunch (Pick up box lunch in North Hallway)

Grand Ballroom

1:15 PM - 1:30 PM

Presentation of Student Poster Awards

Grand Ballroom

Sponsored By: AWRA Florida
Peace River Manasota Regional Water Supply Authority
Gainesville Regional Utilities

1:30 PM - 3:00 PM

Telling Water's Story

Grand Ballroom

(Moderator: Cynthia Barnett, UF Graham Center and College of Journalism and Communications; author of Rain, Blue Revolution & Mirage.)

Panelists will explore the power of storytelling to shape a new water ethic, drawing on their experiences telling the story of water via narrative writing, painting, conservation photography, film, 360-degree video and other forms. Scientists and policymakers often talk about water in the language of supply and systems, efficiency and infrastructure, management and nutrients. Most people do not easily relate to these abstractions. But they can and do relate to stories, which can help build a public ethos for water.

- Jennifer Adler Owen, conservation photographer, University of Florida and National Geographic Society
- Sandra Postel, director, Global Water Policy Project; co-creator, Change the Course; author, *Last Oasis, Pillar of Sand, Rivers for Life & Replenish*
- Margaret Ross Tolbert, artist; author, *AQUIFERious*; co-producer, Lost Springs.

Sponsored By: Carl S. Swisher Foundation

3:00 PM - 3:30 PM

Refreshment Break

North Hallway

Agenda - Wednesday, February 7, 2018

3:30 PM - 5:00 PM

Shaping our Water Future: Recent Progress, New Challenges

Grand Ballroom

(Moderator: Wendy Graham, University of Florida Water Institute)

This panel consists of a leading group of scientists, engineers, managers and policy makers representing agriculture, environmental protection, water management, conservation and academic interests. Panel members will draw on a variety of personal and institutional perspectives to discuss major challenges to Florida's water security and new opportunities to shape Florida's water future. Policies and programs that are currently working well, as well as new initiatives necessary to ensure sustainable water resources will be discussed. The panel will conclude with questions and dialogue with the audience.

- Drew Bartlett, Deputy Secretary, Ecosystem Restoration, Florida Department of Environmental Protection
- Eric Draper, Division Director, Recreation and Parks, Florida Department of Environmental Protection
- Steve Dwinell, Director, Office of Agricultural Water Policy Florida Department of Agriculture and Consumer Services
- Clay Henderson, Executive Director, Stetson University Institute for Water and Environmental Resilience
- Beth Lewis, Freshwater Program Manager, The Nature Conservancy of Florida
- Ann Shortelle, Executive Director, St. Johns River Water Management District

Sponsored By: Duke Energy



Agenda - Tuesday, February 6, 2018

7:30 AM - 8:30 AM Registration					Posters (Salons AE & DH)
Registration and check-in					Poster set up
8:30 AM - 10:00 AM Plenary Session					
Plenary Session - Grand Ballroom					Posters (Salons AE & DH)
Welcome and Introduction <ul style="list-style-type: none"> • Dr. Wendy Graham, Director, University of Florida Water Institute • Dr. Jack Payne, Senior Vice President for Agriculture and Natural Resources, University of Florida • Harry Sideris, State President—Florida, Duke Energy Florida Keynote: <ul style="list-style-type: none"> • Sandra Postel, Director, Global Water Policy Project <i>Replenish: The Virtuous Cycle of Water and Prosperity</i> 					Poster set up
10:00 AM - 10:30 AM Refreshment Break and Book Signing					North Hallway
10:30 AM - 12:00 PM Concurrent Oral Sessions					
Room 2315	Room 2320	Room 2335	Room 2365	Auditorium	Grand Ballroom
Forest Ecohydrology	Engaging Stakeholders in Developing Solutions to Water Issues	Water and Regional Science	Agricultural Water and Nutrient Management 1	Challenges & Opportunities for Spring System Restoration 1	Reception setup
12:00 PM - 1:30 PM Luncheon					Grand Ballroom
1:30 PM - 3:00 PM Concurrent Oral Sessions					
Room 2315	Room 2320	Room 2335	Room 2365	Auditorium	Grand Ballroom
Wetland Ecosystems	Sharing Information: Effective Communication Strategies	Estuarine Ecology and Water Quality	Agricultural Water and Nutrient Management 2	Challenges & Opportunities for Spring System Restoration 2	Posters available for viewing
3:00 PM - 3:30 PM Break					Grand Ballroom
3:30 PM - 5:00 PM Concurrent Oral Sessions					
Room 2315	Room 2320	Room 2335	Room 2365	Auditorium	Grand Ballroom
Water Quality Issues	Who Are They? Understanding Audiences to Design or Improve Programs	Challenges & Opportunities for Everglades System Restoration	Use of Technology to Shape our Water Future	Challenges & Opportunities for Spring System Restoration 3	Posters available for viewing
5:30 PM - 7:30 PM Poster Session and Reception					Grand Ballroom

Agenda - Wednesday, February 7, 2018

8:30 AM - 10:00 AM Concurrent Oral Sessions				
Room 2315	Room 2320	Room 2335	Room 2365	Auditorium
Urban Water and Nutrient Management 1	Water Policy, Planning and Management	Coastal Flooding, Storm Surge and Sea Level Rise	Impacts of Dams and Socioecological Systems 1	Challenges & Opportunities for Spring System Restoration 4
10:00 AM - 10:30 AM Break				North Hallway
10:30 AM - 12:00 PM Concurrent Oral Sessions				
Room 2315	Room 2320	Room 2335	Room 2365	Auditorium
Urban Water and Nutrient Management 2	Hydrologic Modeling and Water Management	Coastal Ecosystems	Impacts of Dams on Socioecological Systems 2: Case Study – Kirkpatrick (aka Rodman) Dam	Challenges & Opportunities for Spring System Restoration 5
12:00 PM - 1:15 PM Lunch (pick up box lunch in North Hallway)				Grand Ballroom
1:15 PM - 3:00 PM Presentation of Student Poster Awards and Plenary Session				Grand Ballroom
Presentation of Student Poster Awards				
Telling Water's Story				
<i>(Moderator: Cynthia Barnett, UF Graham Center and College of Journalism and Communications; author of Rain, Blue Revolution & Mirage.)</i>				
Panelists will explore the power of storytelling to shape a new water ethic, drawing on their experiences telling the story of water via narrative writing, painting, conservation photography, film, 360-degree video and other forms. Scientists and policymakers often talk about water in the language of supply and systems, efficiency and infrastructure, management and nutrients. Most people do not easily relate to these abstractions. But they can and do relate to stories, which can help build a public ethos for water.				
<ul style="list-style-type: none"> • Jennifer Adler Owen, conservation photographer, University of Florida and National Geographic Society • Sandra Postel, director, Global Water Policy Project ; co-creator, Change the Course; author, <i>Last Oasis, Pillar of Sand, Rivers for Life & Replenish.</i> • Margaret Ross Tolbert, artist; author, <i>AQUIFERious</i>; co-producer, Lost Springs. 				
3:00 PM - 3:30 PM Break				North Hallway
3:30 PM - 5:00 PM Plenary Session				Grand Ballroom
Shaping Our Water Future: Recent Progress, New Challenges				
<i>(Moderator: Wendy Graham, University of Florida Water Institute)</i>				
This panel consists of a leading group of scientists, engineers, managers and policy makers representing agriculture, environmental protection, water management, conservation and academic interests. Panel members will draw on a variety of personal and institutional perspectives to discuss major challenges to Florida's water security and new opportunities to shape Florida's water future. Policies and programs that are currently working well, as well as new initiatives necessary to ensure sustainable water resources will be discussed. The panel will conclude with questions and dialogue with the audience.				
<ul style="list-style-type: none"> • Drew Bartlett, Deputy Secretary, Ecosystem Restoration, FL Dept. of Environmental Protection • Eric Draper, Division Director, Recreation and Parks, FL Dept. of Environmental Protection • Steve Dwinell, Director, Office of Agricultural Water Policy, FL Dept. of Agriculture and Consumer Services • Clay Henderson, Executive Director, Stetson University Institute for Water and Environmental Resilience • Beth Lewis, Freshwater Program Manager, The Nature Conservancy of Florida • Ann Shortelle, Executive Director, St. Johns River Water Management District 				



Poster Presentations by Theme

See Poster Layout Map Pg. 22

Agricultural/Silvicultural Water

Barrett, Charles Poster No. 1
UF/IFAS Extension

Inter-Agency partnerships: What makes them work, what makes them challenging, and what is your role as an Extension professional

Biscaia Ribeiro Da Silva, Andre Poster No. 2
Horticultural Sciences Department, University of Florida

Spatial and temporal distribution of soil N under four irrigation systems as function of N fertilizer rate and timing of application in potatoes

Fu, Xiangju Poster No. 3
University of Florida

Using sprinkler irrigation to save water for Florida's potato production

Guzmán, Sandra Poster No. 4
Auburn University - Water Resources Center

Modeling Nutrient Leaching at Farm Scale: A Comparison of Hydrological and Crop Models

Hansen, Kira Poster No. 5
University of Florida

Compact Bed Geometries for Fresh Produce: Environmental Footprint, Disease, and Economics

He, Fei Poster No. 6
University of Florida

Accounting for New Agricultural Crops in Water Resource Management: A Case Study from Suwannee River Basin

Osiecka, Anna Poster No. 7

North Florida Research and Education Center, University of Florida Effects of fertilization and pine straw removal from slash pine plantations on the concentration of ammonium and nitrate-nitrite nitrogen in soil solution

Rath, Sagarika Poster No. 8
University of Florida

Comparison of SWAT and DSSAT at Field scale evaluation of BMPs on reduction of N leaching as a tool to identify high N load critical areas in a watershed scale BMP evaluation at field scale to reduce nitrogen leaching without impact on yield

Shrestha, Maryada Poster No. 9
University of Florida

Contrasting water use efficiency and export for two different pine management systems

Sishodia, Rajendra Poster No. 10
University of Florida

Ranchland Water Retention Effects on Flows and Nutrient Loads in the Northern Everglades

Spellman, Patricia Poster No. 11
University of Florida

Developing a new regional skew for the Suwannee River basin, northern Florida.

Spellman, Patricia Poster No. 12
University of Florida

The efficacy of different gridded climate datasets in simulating hydrological output the Santa Fe River basin, northern Florida

Vazquez, Kathleen Poster No. 13
University of Florida

A Mechanistic Bacterial Transport Model to Inform Food Safety Management of Agricultural Pond Water

Vrachioli, Maria Poster No. 14
University of Florida

Water's Contribution to Agricultural Productivity under Spatial

Yang, Wei Poster No. 15
China Agricultural University

Simulating longer-term performance of cover crops on water drainage and nitrogen cycling in corn and soybean rotation with RZWQM2

Climate Change/Hydrology

Barry, Savanna Poster No. 16
UF/IFAS Nature Coast Biological Station

Evidence and Effects of Climate Change in Florida's Nature Coast

Barry, Savanna Poster No. 17
UF IFAS Nature Coast Biological Station

*Characterizing blue carbon stocks in *Thalassia testudinum* meadows subjected to different long-term phosphorus supplies: a lignin biomarker approach*

Chang, Seungwoo Poster No. 18
University of Florida Water Institute

Comparison of dynamic versus statistical downscaling of the CCSM4 General Circulation Model predictions for simulating hydrologic response in the Tampa Bay Region.

Crouch, Trey Poster No. 19
University of Florida

Comparing Climate Change and Anthropogenic Activity effects on Madeira River Watershed Hydrosedimentology

Poster Presentations by Theme

See Poster Layout Map Pg. 22

Langston, Amy
University of Florida

Poster No. 20

*Modeling the Effects of Climate Change and Predation on Northward Expansion of Black Mangroves (*Avicennia germinans*) into Temperate Salt Marsh*

Sanchez, Felipe
University of Florida

Poster No. 21

Current Status and Health of Apalachicola Bay Oysters: Potential Impacts of Changing Environmental Conditions and Resource Management

Sharp, Misti
IFAS, University of Florida

Poster No. 22

Economic Damages Associated with Water Related Natural Disasters

Tootoonchi, Mohsen
University of Florida

Poster No. 23

Evaluating proxies for seawater in sea level rise and climate change research

Zhou, Jiahua
University of Florida

Poster No. 24

Watershed and estuary based study on climate change effects to ecosystems in Florida and related restoration projects

Coastal Waters

Johnson, Hailey
University of Florida

Poster No. 25

A Numerical Study to Quantify the Stability of Cuspate Features on Sandy Coastlines in Response to Evolving Wave and Storm Climates

Lee, Duhui
The Department of Tourism, Recreation and Sports Management, University of Florida

Poster No. 26

Measuring the equity of beach access for people with disabilities: A case study of Duval county

Mora, Nesmar
Royal Consulting Services, Inc.

Poster No. 27

Green Remediation Alternative

Prince, Kimberly
University of Florida

Poster No. 28

Red drum ontogenetic shifts in prey network structure drives persistent organic pollutant accumulation.

Human Water Needs/Use

Court, Christa
Food and Resource Economics Department, University of Florida

Poster No. 29

Water-Energy Prototype Model for the NEMS Platform: Thermoelectric Water Demand and its Implications for Regional Electricity Markets

Erfanian, Elham
West Virginia University

Poster No. 30

Long-term debt in water utilities: Does ownership matter? Evidence of West Virginian's Utilities

Jackson, Jennifer
University of Florida

Poster No. 31

Coagulation of Proteins Using Chitosan for Drinking Water Treatment Applications

Jumani, Suman
Soil and Water Sciences Department, University of Florida

Poster No. 32

Reach and catchment-scale impacts of small hydropower projects in a tropical biodiversity hotspot

Konstantis, Tatiana
University of Florida

Poster No. 33

Characterization of waste water samples from Mexico Beach Florida

Ludgate, Nargiza
University of Florida

Poster No. 34

Gender roles in household water resource management in water-scarce countries: Does greywater treatment technology empower rural women in Jordan

Pitre, Vaidehi
University of Florida

Poster No. 35

Life cycle assessment of a pre-treatment process of coagulation using chitin and chitosan as coagulants to reverse osmosis

Stream/River Dynamics

DeVito, Lauren
University of Florida

Poster No. 36

Quantifying spatial and temporal variations in metabolism within and across stream order in a North Central Florida River network



Poster Presentations by Theme

See Poster Layout Map Pg. 22

Kirk, Lily
University of Florida

Poster No. 37

Benthic Light Availability Improves Predictions of Riverine Primary Production

Orozco-Lopez, Enrique
University of Florida

Poster No. 38

Concepts, Theories and Models of Macropore Flow Through Riparian Vadose Zone.

Reaver, Nathan
University of Florida

Poster No. 39

Quantifying and Predicting Three-Dimensional Heterogeneity in Transient Storage Using Roving Profiling

Reaver, Nathan
University of Florida

Poster No. 40

Swept Away: Interactions between hydrology and primary producers in Florida Springs

Sucsy, Peter
St. Johns River Water Management District

Poster No. 41

Mechanistic Modeling for Water Resources Management of the St. Johns River, FL

Wu, Qianyan
University of Florida

Poster No. 42

Valuing the Recreation Benefits of Springs in Florida

Water Quality – Water Management

Adams, Damian
University of Florida

Poster No. 43

Water Resource Protection at the Ballot Box: Understanding Voter Preferences and Behavior

De Maria, Maite
Center for Environmental and Human Toxicology, University of Florida

Poster No. 44

Nephrotoxic effects of glyphosate and Rodeo ® through water exposure on largemouth bass

Freitas, Andressa
Soil and Water Sciences Department, University of Florida

Poster No. 45

Variable Consequences of Converting Biosolids to Biochar: Implications for Water Quality

Haluska, Alexander
University of Florida

Poster No. 46

Quantification of contaminant mass flux based on colorimetric responses

Hoge, Victoria
St. Johns River Water Management District

Poster No. 47

Developing a Biosolids Database for Watershed Modeling Efforts

Holian, Lauren
University of Florida

Poster No. 48

Viruses Can't Take the Heat

Krimsky, Lisa
UF/IFAS

Poster No. 49

Capitalizing on local capacity to develop a statewide volunteer water monitoring program.

Mohd Jani, Siti Jariani
University of Florida

Poster No. 50

Rainy Season Nitrogen Transport in Urban Residential Stormwater Runoff

Qiu, Gary
Department of Environmental Engineering Sciences

Poster No. 51

Reduction of Adverse Effects of Tritium in Water

Wetlands

Al-Quraishi, Ali
University of Florida

Poster No. 52

Reducing the Accumulated Salt Concentration by Changing the Water Hydrodynamic of the Western Al-Hammar Marsh.

Epstein, Joshua
School of Forest Resources and Conservation, University of Florida

Poster No. 53

Drivers of Community Composition and Water Quality in North Central Florida Freshwater Wetlands

Henson, Kevin
University of Florida

Poster No. 54

The Effects Of Forest Management On The Hydrology Of Isolated Wetlands In North Central Florida Pine Flatwoods.

Li, Xihu
Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences

Poster No. 55

Comparison of characteristic salt crust soils and no crust soils: implications for the effect of flooding on salinization in hyper-arid

Poster Presentations by Theme

See Poster Layout Map Pg. 22

Medina, Miles Poster No. 56
Department of Agricultural and Biological Engineering,
University of Florida

Diagnosing drivers of environmental noncompliance in constructed treatment wetlands: A nonlinear dynamics approach

Pazmiño-Hernandez, Marco Poster No. 57
Department of Agricultural and Biological Engineering,
University of Florida

Design and evaluation of a link-node hydrological model to study the spatiotemporal impacts of an interbasin water transfer in the Tempisque-Bebedero watershed, Costa Rica

Quintero, Carlos Poster No. 58
Soil and Water Sciences Department, University of Florida

Seasonal Carbon Fluxes in a Patterned Karst Wetland and Implications of Hydrology on Basin Expansion in Big Cypress National Preserve

Stahlhut, Katherine Poster No. 59
US Geological Survey

The Desmids of the Arthur R. Marshall Loxahatchee National Wildlife Refuge

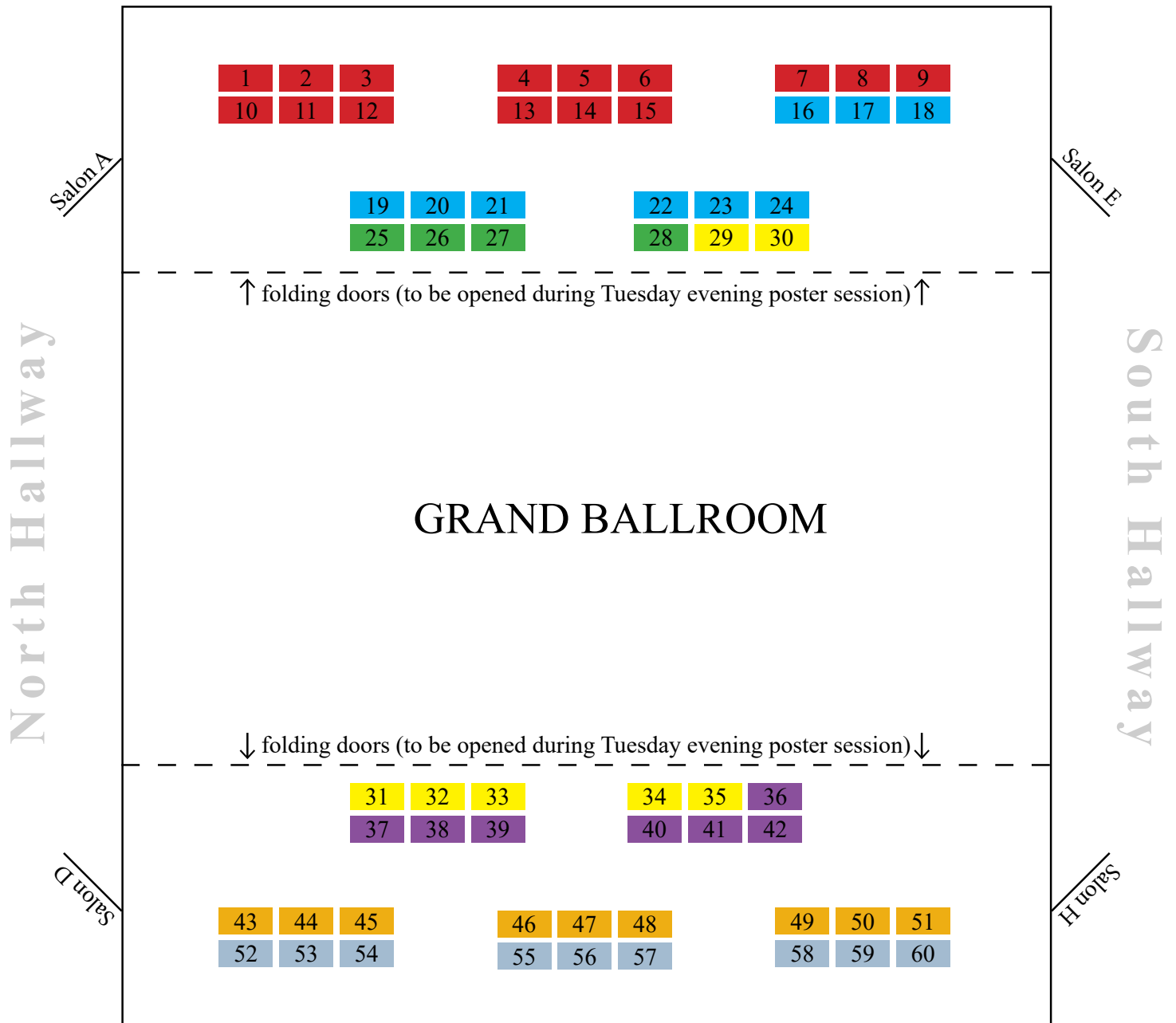
White Jr., Elliott Poster No. 60
University of Florida

Hurricane Impacts on Coastal Baldcypress Swamps are Storm Dependent and Temporally and Spatially Variable

Notes:



Poster Session Layout - Ballrooms A, D, E, H



POSTER THEME	POSTER NUMBERS
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Climate Change/Hydrology	16 - 24
Coastal Waters	25 - 28
Human Water Needs/Use	29 - 35
Stream/River Dynamics	36 - 42
Water Quality - Water Management	43 - 51
Wetlands	52 - 60

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Al-Quraishi, Ali	<i>Reducing the Accumulated Salt Concentration by Changing the Water Hydrodynamic of the Western Al-Hammar Marsh.</i>	52
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Barry, Savanna	<i>Characterizing blue carbon stocks in Thalassia testudinum meadows subjected to different long-term phosphorus supplies: a lignin biomarker approach</i>	17
Barry, Savanna	<i>Evidence and Effects of Climate Change in Florida's Nature Coast</i>	16
Biscaia Ribeiro Da Silva, Andre Luiz	<i>Spatial and temporal distribution of soil N under four irrigation systems as function of N fertilizer rate and timing of application in potatoes</i>	2
Chang, Seungwoo	<i>Comparison of dynamic versus statistical downscaling of the CCSM4 General Circulation Model predictions for simulating hydrologic response in the Tampa Bay Region.</i>	18
Court, Christa	<i>Water-Energy Prototype Model for the NEMS Platform: Thermoelectric Water Demand and its Implications for Regional Electricity Markets</i>	29
Crouch, Trey	<i>Comparing Climate Change and Anthropogenic Activity effects on Madeira River Watershed Hydrosedimentology</i>	19
De Maria, Maite	<i>Nephrotoxic effects of glyphosate and Rodeo ® through water exposure on largemouth bass</i>	44
DeVito, Lauren	<i>Quantifying spatial and temporal variations in metabolism within and across stream order in a North Central Florida River network</i>	36
Epstein, Joshua	<i>Drivers of Community Composition and Water Quality in North Central Florida Freshwater Wetlands</i>	53
Erfanian, Elham	<i>Long-term debt in water utilities: Does ownership matters? Evidence of West Virginian's Utilities</i>	30
Freitas, Andressa	<i>Variable Consequences of Converting Biosolids to Biochar: Implications for Water Quality</i>	45
Fu, Xiangju	<i>Using sprinkler irrigation to save water for Florida's potato production</i>	3
Guzmán, Sandra	<i>Modeling Nutrient Leaching at Farm Scale: A Comparison of Hydrological and Crop Models</i>	4
Haluska, Alexander	<i>Quantification of contaminant mass flux based on colorimetric responses</i>	46
Hansen, Kira	<i>Compact Bed Geometries for Fresh Produce: Environmental Footprint, Disease, and Economics</i>	5
He, Fei	<i>Accounting for New Agricultural Crops in Water Resource Management: A Case Study from Suwannee River Basin</i>	6
Henson, Kevin	<i>The Effects Of Forest Management On The Hydrology Of Isolated Wetlands In North Central Florida Pine Flatwoods.</i>	54
Hoge, Victoria	<i>Developing a Biosolids Database for Watershed Modeling Efforts</i>	47
Holian, Lauren	<i>Viruses Can't Take the Heat</i>	48
Jackson, Jennifer	<i>Coagulation of Proteins Using Chitosan for Drinking Water Treatment Applications</i>	31
Johnson, Hailey	<i>A Numerical Study to Quantify the Stability of Cuspate Features on Sandy Coastlines in Response to Evolving Wave and Storm Climates</i>	25
Jumani, Suman	<i>Reach and catchment-scale impacts of small hydropower projects in a tropical biodiversity hotspot</i>	32
Kirk, Lily	<i>Benthic Light Availability Improves Predictions of Riverine Primary Production</i>	37



Poster Presenters See Poster Layout Map Pg. 22

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Krimsky, Lisa	<i>Capitalizing on local capacity to develop a statewide volunteer water monitoring program.</i>	49
Langston, Amy	<i>Modeling the Effects of Climate Change and Predation on Northward Expansion of Black Mangroves (Avicennia germinans) into Temperate Salt Marsh</i>	20
Lee, Duhui	<i>Measuring the equity of beach access for people with disabilities: A case study of Duval county</i>	26
Li, Xinhui	<i>Comparison of characteristic salt crust soils and no crust soils: implications for the effect of flooding on salinization in hyper-arid floodplains</i>	55
Ludgate, Nargiza	<i>Gender roles in household water resource management in water-scarce countries: Does greywater treatment technology empower rural women in Jordan</i>	34
Medina, Miles	<i>Diagnosing drivers of environmental noncompliance in constructed treatment wetlands: A nonlinear dynamics approach</i>	56
Mohd Jani, Siti Jariani	<i>Rainy Season Nitrogen Transport in Urban Residential Stormwater Runoff</i>	50
Mora, Nesmar	<i>Green Remediation Alternative</i>	27
Orozco-Lopez, Enrique	<i>Concepts, Theories and Models of Macropore Flow Through Riparian Vadose Zone.</i>	38
Osiecka, Anna	<i>Effects of fertilization and pine straw removal from slash pine plantations on the concentration of ammonium and nitrate-nitrite nitrogen in soil solution</i>	7
Pazmiño-Hernandez, Marco	<i>Design and evaluation of a link-node hydrological model to study the spatiotemporal impacts of an interbasin water transfer in the Tempisque-Bebedero watershed, Costa Rica</i>	57
Pitre, Vaidehi	<i>Life cycle assessment of a pre-treatment process of coagulation using chitin and chitosan as coagulants to reverse osmosis</i>	35
Prince, Kimberly	<i>Red drum ontogenetic shifts in prey network structure drives persistent organic pollutant accumulation.</i>	28
Qiu, Gary	<i>Reduction of Adverse Effects of Tritium in Water</i>	51
Quintero, Carlos	<i>Seasonal Carbon Fluxes in a Patterned Karst Wetland and Implications of Hydrology on Basin Expansion in Big Cypress National Preserve</i>	58
Rath, Sagarika	<i>Comparison of SWAT and DSSAT at Field scale evaluation of BMPs on reduction of N leaching as a tool to identify high N load critical areas in a watershed scale BMP evaluation at field scale to reduce nitrogen leaching without impact on yield</i>	8
Reaver, Nathan	<i>Swept Away: Interactions between hydrology and primary producers in Florida Springs</i>	40
Reaver, Nathan	<i>Quantifying and Predicting Three-Dimensional Heterogeneity in Transient Storage Using Roving Profiling</i>	39
Sanchez, Felipe	<i>Current Status and Health of Apalachicola Bay Oysters: Potential Impacts of Changing Environmental Conditions and Resource Management</i>	21
Sharp, Misti	<i>Economic Damages Associated with Water Related Natural Disasters</i>	22
Shrestha, Maryada	<i>Contrasting water use efficiency and export for two different pine management systems</i>	9
Sishodia, Rajendra	<i>Ranchland Water Retention Effects on Flows and Nutrient Loads in the Northern Everglades</i>	10
Spellman, Patricia	<i>The efficacy of different gridded climate datasets in simulating hydrological output the Santa Fe River basin, northern Florida</i>	12
Spellman, Patricia	<i>Developing a new regional skew for the Suwannee River basin, northern Florida.</i>	11
Stahlhut, Katherine	<i>The Desmids of the Arthur R. Marshall Loxahatchee National Wildlife Refuge</i>	59
Sucsy, Peter	<i>Mechanistic Modeling for Water Resources Management of the St. Johns River, FL</i>	41
Tootoonchi, Mohsen	<i>Evaluating proxies for seawater in sea level rise and climate change research</i>	23

Poster Presenters See Poster Layout Map Pg. 22

Author	Poster Title	Poster #
Vazquez, Kathleen	<i>A Mechanistic Bacterial Transport Model to Inform Food Safety Management of Agricultural Pond Water</i>	13
Vrachioli, Maria	<i>Water's Contribution to Agricultural Productivity under Spatial Adjustments</i>	14
White Jr., Elliott	<i>Hurricane Impacts on Coastal Baldcypress Swamps are Storm Dependent and Temporally and Spatially Variable</i>	60
Wu, Qianyan	<i>Valuing the Recreation Benefits of Springs in Florida</i>	42
Yang, Wei	<i>Simulating longer-term performance of cover crops on water drainage and nitrogen cycling in corn and soybean rotation with RZWQM2</i>	15
Zhou, Jiahua	<i>Watershed and estuary based study on climate change effects to ecosystems in Florida and related restoration projects</i>	24

Notes:



Speakers, Panelists and Moderators

Last Name, First Name	Affiliation	Day	Time	Location
Acharya, Subodh	<i>School of Forest Resources and Conservation, University of Florida</i>	2/6/2018	10:30 AM	Room 2315
Adams, Damian	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2315
Adler Owen, Jennifer	<i>University of Florida</i>	2/7/2018	1:30 PM	Ballroom
Albertin, Andrea	<i>University of Florida</i>	2/6/2018	1:30 PM	Room 2320
Alfieri, Michael	<i>Water Resource Associates, LLC</i>	2/7/2018	8:30 AM	Auditorium
Asefa, Tirusew	<i>Tampa Bay Water</i>	2/6/2018	10:30 AM	Room 2320
Athearn, Kevin	<i>IFAS Extension, University of Florida</i>	2/6/2018	10:30 AM	Room 2365
Ayankojo, Ibukun	<i>Southwest Florida Research and Education Center, University of Florida</i>	2/6/2018	1:30 PM	Room 2365
Barber, Lynn	<i>Florida Friendly Landscaping, University of Florida</i>	2/7/2018	10:30 AM	Room 2315
Barnett, Cynthia	<i>UF Graham Center and College of Journalism and Communications</i>	2/7/2018	1:30 PM	Ballroom
Barrett, Charles	<i>UF/IFAS Extension</i>	2/6/2018	10:30 AM	Room 2320
Bartlett, Drew	<i>Florida Department of Environmental Protection</i>	2/7/2018	3:30 PM	Ballroom
Bean, Eban	<i>Department of Agricultural and Biological Engineering, University of Florida</i>	2/6/2018	1:30 PM	Room 2365
Bean, Eban	<i>Department of Agricultural and Biological Engineering, University of Florida</i>	2/7/2018	8:30 AM	Room 2315
Bi, Xiang	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2335
Biscaia Ribeiro da Silva, Andre Luiz	<i>Horticultural Sciences Department, University of Florida</i>	2/6/2018	1:30 PM	Room 2365
Bolson, Jessica	<i>Florida International University</i>	2/6/2018	10:30 AM	Room 2320
Bommidi, Jyothi Swaroop	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2320
Borger, Ruth	<i>UF/IFAS Communications, University of Florida</i>	2/6/2018	1:30 PM	Room 2320
Borisova, Tatiana	<i>Food and Resource Economics Department, University of Florida</i>	2/7/2018	10:30 AM	Room 2365
Bottcher, Del	<i>Soil and Water Engineering Technology, Inc.</i>	2/6/2018	3:30 PM	Room 2335
Brasil, Walterlina	<i>UNIR - UNIVERSIDADE FEDERAL DE RONDÔNIA</i>	2/7/2018	8:30 AM	Room 2365
Bronson, Stan	<i>Florida Earth Foundation</i>	2/7/2018	8:30 AM	Room 2320
Canion, Andy	<i>St. Johns River Water Management District</i>	2/6/2018	10:30 AM	Auditorium
Cardenas, Bernardo	<i>University of Florida</i>	2/7/2018	10:30 AM	Room 2315
Cassani, John	<i>Calusa Waterkeeper</i>	2/6/2018	1:30 PM	Room 2335
Chen, Xuqi	<i>University of Florida</i>	2/7/2018	10:30 AM	Room 2335
Cohen, Matthew	<i>School of Forest Resources and Conservation, University of Florida</i>	2/6/2018	3:30 PM	Auditorium
Conlin, Matthew	<i>University of Florida</i>	2/7/2018	8:30 AM	Room 2335
Copeland, Rick	<i>Florida Department of Environmental Protection</i>	2/6/2018	3:30 PM	Room 2315
Court, Christa	<i>Food and Resource Economics Department, University of Florida</i>	2/6/2018	10:30 AM	Room 2335
Crandall, Chelsey	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2320

Speakers, Panelists and Moderators

Last Name, First Name	Affiliation	Day	Time	Location
De Rooij, Rob	<i>University of Florida Water Institute</i>	2/6/2018	10:30 AM	Auditorium
Decker, Paul	<i>University of Florida</i>	2/7/2018	10:30 AM	Room 2320
Desormeaux, Amanda	<i>School of Natural Resources and Environment/Soil and Water Sciences, University of Florida</i>	2/7/2018	8:30 AM	Auditorium
Dobberfuhl, Dean	<i>St. Johns River Water Management District</i>	2/7/2018	10:30 AM	Auditorium
Donaghy, Kieran	<i>Cornell University</i>	2/6/2018	10:30 AM	Room 2335
Draper, Eric	<i>Florida Department of Environmental Protection</i>	2/7/2018	3:30 PM	Ballroom
Dwinell, Steven	<i>Florida Department of Agriculture and Consumer Services</i>	2/7/2018	3:30 PM	Ballroom
Eisenstadt, William	<i>Department of Electrical and Computer Engineering, University of Florida</i>	2/6/2018	3:30 PM	Room 2365
Feng, Gary	<i>USDA-ARS</i>	2/7/2018	10:30 AM	Room 2320
Fitzgerald, Casey	<i>St. Johns River Water Management District</i>	2/6/2018	10:30 AM	Auditorium
Frazer, Thomas	<i>School of Natural Resources and Environment, University of Florida</i>	2/6/2018	3:30 PM	Auditorium
Frazer, Thomas	<i>School of Natural Resources and Environment, University of Florida</i>	2/7/2018	10:30 AM	Auditorium
Frederick, Peter	<i>Department of Wildlife Ecology and Conservation, University of Florida</i>	2/6/2018	1:30 PM	Room 2335
Frick, Thomas	<i>Florida Department of Environmental Protection</i>	2/7/2018	10:30 AM	Auditorium
Fujimoto, Masanori	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2335
Gatson, Grant	<i>Wood plc, formerly Amec Foster Wheeler</i>	2/7/2018	8:30 AM	Auditorium
Gillin, Matlack	<i>University of Florida</i>	2/7/2018	8:30 AM	Room 2335
Glodzik, Katie	<i>University of Florida</i>	2/7/2018	10:30 AM	Room 2335
Good, P.E., John	<i>Suwannee River Water Management District</i>	2/7/2018	10:30 AM	Auditorium
Graham, Wendy	<i>University of Florida Water Institute</i>	2/6/2018	8:30 AM	Ballroom
Graham, Wendy	<i>University of Florida Water Institute</i>	2/7/2018	3:30 PM	Ballroom
Greco, Stacie	<i>Alachua County Environmental Protection Department</i>	2/7/2018	10:30 AM	Room 2315
Guerra, Gisselle	<i>University of Florida</i>	2/6/2018	1:30 PM	Room 2335
Gustafson, Tom	<i>Florida International University</i>	2/7/2018	8:30 AM	Room 2335
Hahus, Ian	<i>University of Florida</i>	2/6/2018	1:30 PM	Room 2315
Henderson, Clay	<i>Stetson University Institute for Water and Environmental Resilience</i>	2/7/2018	3:30 PM	Ballroom
Hendrickson, John	<i>St. Johns River Water Management District</i>	2/6/2018	3:30 PM	Room 2315
Hensley, Robert	<i>University of Florida</i>	2/6/2018	1:30 PM	Auditorium
Her, Younggu	<i>Tropical Research and Education Center/Agricultural & Biological Engineering, University of Florida</i>	2/6/2018	3:30 PM	Room 2335
Higgins, Tiffany	<i>Independent Researcher & Journalist</i>	2/7/2018	8:30 AM	Room 2365
Hundemer, Sadie	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2320



Speakers, Panelists and Moderators

Last Name, First Name	Affiliation	Day	Time	Location
Inglett, Patrick	<i>University of Florida</i>	2/6/2018	10:30 AM	Auditorium
Jawitz, James	<i>Soil and Water Sciences Department, University of Florida</i>	2/6/2018	10:30 AM	Auditorium
Jones, Gregg	<i>Cardno</i>	2/6/2018	3:30 PM	Room 2315
Juarez, Braulio	<i>Civil and Coastal Engineering Department, University of Florida</i>	2/7/2018	10:30 AM	Room 2335
Kakarla, Sri Charan	<i>University of Florida - SWFREC</i>	2/6/2018	1:30 PM	Room 2365
Kaplan, David	<i>Environmental Engineering Sciences, ESSIE, University of Florida</i>	2/6/2018	1:30 PM	Auditorium
Kaplan, David	<i>Environmental Engineering Sciences, ESSIE, University of Florida</i>	2/7/2018	8:30 AM	Room 2365
Keene, Matt	<i>Pallet House Pictures</i>	2/7/2018	10:30 AM	Room 2365
Keller, Chris	<i>Wetland Solutions, Inc.</i>	2/7/2018	8:30 AM	Room 2315
Khadka, Mitra	<i>University of Florida</i>	2/6/2018	1:30 PM	Auditorium
Khare, Yogesh	<i>Everglades Foundation</i>	2/6/2018	3:30 PM	Room 2335
King, Sean	<i>Southwest Florida Water Management District</i>	2/6/2018	3:30 PM	Auditorium
Koirala, Unmesh	<i>School of Forest Resources and Conservation, University of Florida</i>	2/6/2018	10:30 AM	Room 2365
Leitman, Steve	<i>Waters Without Borders</i>	2/7/2018	8:30 AM	Room 2365
Lewis, Beth	<i>The Nature Conservancy of Florida</i>	2/7/2018	3:30 PM	Ballroom
Lippincott, Carol	<i>University of Florida Water Institute</i>	2/7/2018	10:30 AM	Room 2365
Lotero, Laura	<i>University of South Florida</i>	2/6/2018	1:30 PM	Room 2315
Lusk, Mary	<i>UF/IFAS</i>	2/7/2018	8:30 AM	Auditorium
Mattson, Robert	<i>St. Johns River Water Management District</i>	2/6/2018	3:30 PM	Auditorium
McCurley, Kathryn	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2315
McLamore, Eric	<i>Department of Agricultural and Biological Engineering, University of Florida</i>	2/6/2018	3:30 PM	Room 2365
Meeder, John	<i>Florida International University</i>	2/7/2018	10:30 AM	Room 2335
Middleton, Beth	<i>US Geological Survey</i>	2/7/2018	10:30 AM	Room 2335
Migliaccio, Kati	<i>Department of Agricultural and Biological Engineering, University of Florida</i>	2/6/2018	3:30 PM	Room 2365
Miller, Raymond	<i>Dewberry</i>	2/7/2018	8:30 AM	Auditorium
Milligan, Lara	<i>UF/IFAS Extension Pinellas County</i>	2/6/2018	1:30 PM	Room 2320
Mills, Brenda	<i>South Florida Water Management District</i>	2/6/2018	10:30 AM	Room 2320
Minogue, Patrick	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2315
Morera, Maria	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2320
Mossa, Joann	<i>Geography, University of Florida</i>	2/6/2018	1:30 PM	Room 2315
Noll, Steven	<i>Department of History, University of Florida</i>	2/7/2018	10:30 AM	Room 2365
Oliveira Fiorini, Ana Carolina	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2315
Olsen, Eric	<i>Hopping Green & Sams</i>	2/7/2018	8:30 AM	Room 2320
Onofre, Thiago	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2365

Speakers, Panelists and Moderators

Last Name, First Name	Affiliation	Day	Time	Location
Osborne, Todd	<i>Soil and Water Sciences Department, University of Florida</i>	2/6/2018	1:30 PM	Auditorium
Ouyang, Ying	<i>USDA Forest Service</i>	2/7/2018	10:30 AM	Room 2320
Papacek, Joshua	<i>University of Florida</i>	2/6/2018	1:30 PM	Room 2335
Paudel, Rajendra	<i>Everglades Foundation</i>	2/6/2018	3:30 PM	Room 2335
Payne, Jack	<i>UF/IFAS</i>	2/6/2018	8:30 AM	Ballroom
Phelps, Sara	<i>The Whitney Laboratory for Marine Bioscience, University of Florida</i>	2/6/2018	3:30 PM	Room 2315
Postel, Sandra	<i>Global Water Policy Project</i>	2/6/2018	8:30 AM	Ballroom
Postel, Sandra	<i>Global Water Policy Project</i>	2/7/2018	1:30 PM	Ballroom
Prouty, Christine	<i>University of South Florida</i>	2/7/2018	8:30 AM	Room 2320
Qiu, Jiangxiao	<i>University of Florida</i>	2/7/2018	10:30 AM	Room 2320
Reisinger, Alexander	<i>Soil and Water Sciences Department, University of Florida</i>	2/7/2018	8:30 AM	Room 2315
Sanchez, Georgina	<i>Center for Geospatial Analytics, North Carolina State University</i>	2/7/2018	10:30 AM	Room 2315
Searcy, Jennison	<i>UF/IFAS Program for Resource Efficient Communities</i>	2/6/2018	10:30 AM	Room 2320
Shortelle, Ann	<i>St. Johns River Water Management District</i>	2/7/2018	3:30 PM	Ballroom
Shukla, Sanjay	<i>Department of Agricultural and Biological Engineering, University of Florida</i>	2/7/2018	8:30 AM	Room 2315
Sideris, Harry	<i>Duke Energy Florida</i>	2/6/2018	8:30 AM	Ballroom
Sims, Roger	<i>Holland & Knight</i>	2/7/2018	8:30 AM	Room 2320
So, Sangdon	<i>University of Florida</i>	2/7/2018	8:30 AM	Room 2335
Sobczak, Robert	<i>Big Cypress National Preserve</i>	2/6/2018	1:30 PM	Room 2315
Sukop, Michael	<i>Florida International University</i>	2/6/2018	1:30 PM	Room 2320
Szafraniec, Mary	<i>Amec Foster Wheeler</i>	2/6/2018	3:30 PM	Room 2315
Taylor, Nicholas	<i>University of Florida</i>	2/7/2018	10:30 AM	Room 2315
Teegarden, Robert D.	<i>OUC - The Reliable One</i>	2/7/2018	8:30 AM	Room 2320
Tolbert, Margaret	<i>AQUIFERious</i>	2/7/2018	1:30 PM	Ballroom
Valle-Levinson, Arnoldo	<i>Civil and Coastal Engineering, ESSIE, University of Florida</i>	2/7/2018	8:30 AM	Room 2335
Vrachioli, Maria	<i>University of Florida</i>	2/6/2018	1:30 PM	Room 2365
Wakhungu, Mathews	<i>University of South Florida</i>	2/7/2018	10:30 AM	Room 2320
Wessel, Mike	<i>Janicki Environmental</i>	2/6/2018	1:30 PM	Room 2335
Zamora Re, Maria	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2365
Zare, Alina	<i>University of Florida</i>	2/6/2018	3:30 PM	Room 2365
Ziolkowska, Jad	<i>University of Oklahoma</i>	2/6/2018	10:30 AM	Room 2335
Zotarelli, Lincoln	<i>University of Florida</i>	2/6/2018	10:30 AM	Room 2365



Notes:



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