



Florida Section
**AIR & WASTE MANAGEMENT
ASSOCIATION**

53rd Annual Conference & Expo



October 25 & 26, 2017
Florida State University Turnbull Conference Center
Tallahassee, Florida

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Conference Co-Chair's Letter
October 25 & 26, 2017
Tallahassee, Florida

WELCOME! And thank you for attending the Florida Section A&WMA's 53rd annual conference and exhibition. This conference will feature technical presentations, interactive panel discussions, and microsessions. The Florida Department of Environmental Protection, academia, attorneys, engineers, consultants, and industry representatives have been invited to speak about the most recent air, water, and waste issues.

The Florida Section A&WMA is hosting this year's conference at the Florida State University Turnbull Conference Center. We are excited to be back in Tallahassee after last year's conference in Tampa. This venue provides an especially great opportunity for Florida regulators and the regulated community to participate in the unique neutral forum that A&WMA is known for.

Our Conference Committee members have done an amazing job building this year's technical program. We have a very impressive list of speakers presenting on all aspects of current environmental "hot" topics. We are all extremely thankful to our generous sponsors this year who have afforded us the opportunity to maintain registration rates and allow the diversity of attendees that will make this conference a success. We would like to give a special thank you to our Platinum Sponsors: Greenberg Traurig and Waste Management.

We are excited to share the enclosed technical program and hope you enjoy the conference!

Sincerely,



Joseph "Joe" Brown

Joe is a shareholder at Hopping Green & Sams, P.A. His practice focuses on air quality regulation. Joe's practice extends into emerging issues particularly affecting renewable energy and alternative fuel projects. Joe has regulatory rulemaking experience before both the Florida Department of Environmental Protection and the U.S. Environmental Protection Agency. In addition, he has experience in rule and permit challenge litigation, including before the Florida Division of Administrative Hearings and D.C. Circuit Court of Appeals. Joe spends his free time trying to keep up with his wife, Rebecca, and children William and Charlotte Alyce.



Liz Foeller

Liz is the Area Manager of Environmental Protection at Waste Management Inc. of Florida. Her focus is addressing air, water, and waste permitting and compliance associated with the 85+ facilities in Florida and South Georgia. Additionally, Liz assists with regulatory rulemaking issues affecting the waste industry in Florida. Liz enjoys spending her free time with her husband, Scott, and children Sidney and Nicholas.

2017 Conference Committee

COMMITTEE	COMMITTEE CHAIR & MEMBERS
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Technical Committee Chair	Manitia Moultrie, Golder Associates
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Registration	Susan Kennedy, Gulf Power Company Kathy Lockhart, Sugar Cane Growers Coop Christi Veleta, (Retired) City of Jacksonville
Site & Program Coordinator	Tamara Lacher, Hopping Green & Sams
Student Environmental Challenge	Winston Borkowski, Hopping Green & Sams
Student Program	Upasna Rai, Koogler & Associates, Inc.
Continuing Education Credit Coordinator	Lynn Robinson, Southern Environmental Sciences, Inc.
Conference Webmaster	Kurt Westerlund, CDM Smith

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CONFERENCE MODERATORS

WEDNESDAY, 25th October



Sustainability Leadership and Resilience

Moderator: Byron Burrows, Manager- Air Programs, TECO Energy – An Emera Company

Byron Burrows received a Bachelor of Science in Civil Engineering from the University of South Florida, is a professional engineer in Florida, and a Board Certified Environmental Engineer with a specialization in air pollution control. He also has certification as a Qualified Stack Test Individual. He has over 30 years of experience in the environmental field with particular emphasis on sustainability, air monitoring, emission testing, and air permitting. Mr. Burrows is currently the Manager - Air Programs in the EHS department at Tampa Electric Company and he has worked at TECO Energy for over 15 years.



Florida Legislative Session – Look Back at 2017 and Look Ahead to 2018

Moderator: David Childs, Shareholder, Hopping Green & Sams, P.A.

David is a shareholder with Hopping Green & Sams. He represents utilities, businesses, and trade associations on environmental legal and legislative issues. Over the past ten years, David has also been involved in the major regulatory and legislative developments impacting state water policy. He served two terms on the Florida Boating Advisory Council under the appointment of former Governor Crist, and recently, Governor Scott appointed David to serve again. He devotes his free time to his wife, Lizbeth, and his two young children. He also is an active supporter of Grace Mission, a local soup kitchen and homeless ministry affiliated with the Episcopal Church. On Saturdays in the fall, David can be heard ringing his cowbell in support of the Maroon and White.



FDEP Leadership Roundtable

Stakeholder Engagement and Environmental Stewardship

Moderator: Paula Cobb, Director of Environmental Affairs & Stakeholder Engagement, Duke Energy

Paula Leverett Cobb works for Duke Energy as a Director of Environmental Affairs & Stakeholder Engagement. In this role, she helps the company develop sustainable environmental policies and leads environmental stakeholder engagement efforts. Previously, Paula served the Florida Department of Environmental Protection as its Director of Air Resource Management and Deputy Secretary of Regulatory Programs. During her tenure she advised the Governor's Office and Legislature on state environmental policy, advocated the state's environmental policy positions, and managed relationships with other environmental and regulatory agencies, including the U.S. EPA. Paula also worked in private practice with Hopping Green & Sams and Littlejohn, Mann & Associates, where she represented clients before local, state, and federal agencies and other stakeholders. She has a Bachelor of Arts degree from the University of South Carolina, a Master of Studies in Environmental Law from Vermont Law School, and a Juris Doctor from the University of South Carolina. Paula was admitted to the Florida Bar in 2007. Originally from South

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Carolina, Paula resides in Tallahassee with her husband, David, and twin daughters, Arden and Maya.



Federal Legislative, Rulemaking, and Policy Developments

Moderator: Robert Manning, Shareholder, Hopping Green & Sams, P.A.

A native Floridian, Robert Manning has been practicing environmental law with Hopping Green & Sams since 1994. Robert's practice focuses primarily on air quality-related issues, including policy development, legislation, rulemaking, permitting and enforcement. Robert represents a variety of public and private industrial clients in matters before local, state and federal agencies. Robert has served as counsel in the U.S. Court of Appeals for the D.C. Circuit regarding the federal Clean Air Interstate Rule and the Cross-State Air Pollution Rule, and advocates for clients in complex matters including the development of Climate Policy, New Source Review matters, the MATS rule, Regional Haze submittals, and approaches to address recently-revised National Ambient Air Quality Standards. Robert is a founding member of the Big Bend Chapter of the Air and Waste Management Association, and is a past Chair of the Florida Section of A&WMA and the Florida Bar's Environmental and Land Use Law Section.

THURSDAY, 26th October



Contaminated Media Forum; 62-780/777, F.A.C., Regulatory Update

Moderator: Joe Applegate, P.G., Senior Principal Hydrogeologist, Geosyntec Consultants

Joe Applegate is a Senior Principal Hydrogeologist for Geosyntec Consultants in Tallahassee and has over 31 years' experience managing large federal, state, private and local programs and projects. Joe has been program and contract manager for large programs including NASA's Kennedy Space Center, the FDEP Consolidated Environmental Contract, the City of Tallahassee Environmental Services Contract as well as other private industry clients. Joe also works extensively with attorneys and developers in property transactions and litigation support projects and is an active participant in the Contaminated Media Forum. Joe has worked extensively with chlorinated solvents, petroleum, pesticides and MGP sites, including assisting the City of Tallahassee with their former MGP site at Cascades Park.



Legal and Regulatory Update on Air Quality Issues

Moderator: Michael Cooke, Of Counsel, Greenberg Traurig

Mike Cooke is Of Counsel in Greenberg Traurig's environmental practice. He advises manufacturing companies, industrial facilities, natural-gas pipeline companies, shipping terminals, and electric utilities throughout the U.S. in connection with various environmental issues, including, in particular, air permitting, compliance and enforcement, and greenhouse gas matters. Mike is a former Director of the Florida Department of Environmental Protection's Air Division, where he oversaw air permitting, compliance, and rulemaking, including development of state regulations implementing the federal Clean Air Interstate Rule, Clean Air Mercury Rule, Clean Air Visibility Rule, and New Source Review reform programs. He also served as General Counsel for the Florida Public Service Commission, where his

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responsibilities included conducting rate cases, rulemaking, enforcement proceedings, and decision-making involved with policy issues regarding nuclear facility site cost recovery and renewable energy. In addition to his J.D., which he received from Catholic University of America - Columbus School of Law, Mike also has a B.S. and an M.S. in Biology from George Mason College.



Coal Combustion Residuals Roundtable

Moderator: Richard "Mike" Markey, Environmental Affairs Director, Gulf Power Company

Mike has had over 35 years working in the environmental field. He has held positions in the oil & gas industry, Florida Department of Environmental Regulation, consulting and Gulf Power Company. He has served in various capacities with Gulf Power for the last 24 years in air, land and water compliance. Mike served in a management capacity for the last 12 years and became the Environmental Affairs Director in 2016.

Mike received his BS in Geology from Oklahoma State University in 1983 and his MS in Civil/Environmental Engineering from Florida State University in 2000. Mike is married to Kim and they have two children Michael and Marie. Mike and Kim enjoy the water and doing community service.



Water Supply Management and Sustainability

Moderator: Manitia Moultrie, NA Power Sector Leader/Principal, Golder Associates, Inc.

Manitia Moultrie has over 30 years of technical, project management and leadership experience in a wide range of regulatory, legislative and permitting matters within the utility/energy industry. She is currently responsible for technical strategy and business development for the Golder Associates North America Power Sector business line. In this capacity, she monitors market conditions and regulatory and legislative issues and develops technical and business development and marketing strategies. She represents Golder on several national

professional environmental/engineering associations and technical workgroups for utility and energy clients including the American Coal Ash Association (ACAA), the Utility Solid Waste Act Group (USWAG) and locally with Florida Association of Water Quality Control (FAWQC) and the Florida Section Air and Waste Management Association (AWMA). Her technical experience includes compliance planning and auditing, siting/permitting of power plant development and transmission and substation projects and NPDES, industrial/domestic wastewater, wetland/mitigation, consumptive use and stormwater management. Manitia currently serves as the Secretary/Treasurer of the Florida Section AWMA Board of Directors. In her spare time, she serves as the Program Director for the Youth Development Foundation of Pinellas County, Inc., a 501(c)3 organization that provides positive youth development, scholarship and education/career development opportunities to over 300 youth annually in the St. Petersburg community.



Jeopardy - Current Developments Affecting Solid Waste Management in Florida

Moderator: Nandra Weeks, P.E., Senior Principal Engineer, Geosyntec Consultants

Nandra Weeks is a Senior Principal Engineer at Geosyntec Consultants based out of Jacksonville, FL. She has more than 30 years of experience managing and performing environmental projects in the areas of environmental due diligence, municipal solid waste and hazardous waste management, site assessment and remediation, environmental compliance, and risk management. Over her career, she has served as the program manager for numerous multi-million dollar assessment, remediation, and environmental compliance contracts for federal, municipal, transportation, and industrial clients. Ms. Weeks has lectured on due diligence, Brownfields redevelopment, vapor intrusion, landfill redevelopment, risk management, ethics, and communication skills. In 2016, she helped develop and deliver a two-day business development class taught throughout Geosyntec's geographic footprint. She serves as the Chairman of the Board for the Hinkley Center for Solid and Hazardous Waste Management and is a member of the American Bar Association's Section of Environment, Energy, and Resources, Solid Waste Association of North America, Air and Waste Management Association, American Society for Civil Engineers, Florida Brownfields Association, and other associations. Ms. Weeks serves on the steering committee for Geosyntec's Power Industry and Legal Counsel Sector Initiatives. She earned her B.S. in Civil Engineering from the Georgia Institute of Technology in 1986 and her MBA from Nova University in 1990. She is a professional engineer registered in Florida.

Technical Agenda At A Glance

TUESDAY, 24th October

- 11:00 a.m. Pre-Conference Tour of Florida Modern Capitol Building (Meet inside Capitol at Visit Florida Reception Desk/ Dolphin entrance)
- 1:00 p.m. Florida Section A&WMA Board Meeting (Hopping Green & Sams Offices)
- 3:00 p.m. Pre-Conference Tour of Florida Historic Capitol Building (Meet at Reception Desk/Courtyard Entrance)
- 5:00 p.m. Networking Reception at Harry's Seafood Bar & Grill - hosted by Young Professionals

WEDNESDAY, 25th October at FSU Turnbull Conference Center

- 7:00 a.m. Registration Opens – Turnbull Reception Desk
- 8:00 a.m. Welcome – Florida Section Chair, Conference Chairs, Conference Technical Chairs
- 8:15 a.m. Sustainability, Leadership and Resilience (Auditorium)
- 9:30 a.m. Break - Student Poster Competition
- 10:30 a.m. *Concurrent Sessions*
 - Federal Legislative, Rulemaking, and Policy Developments (Auditorium)
 - Air Permitting 101 (Room 214)
- 12:00 p.m. Lunch
- 1:00 p.m. *Concurrent Sessions*
 - Florida Legislative Session – Look Back at 2017 and Look Ahead to 2018 (Auditorium)
 - NPDES/Water Quality 101 (Room 214)
- 2:00 p.m. Break - Student Environmental Challenge
- 3:00 p.m. *Concurrent Sessions*
 - FDEP Leadership Roundtable (Auditorium)
 - E-Tools Training (Room 214)
- 4:00 p.m. *Concurrent Sessions*
 - Stakeholder Engagement and Environmental Stewardship (Auditorium)
 - Discovery of Contamination, Release Reporting, and Corrective Measures (Room 214)
- 5:00 p.m. Reception
- 6:00 p.m. Florida Section A&WMA Dinner and Awards Program (Auditorium)

THURSDAY, 26th October at FSU Turnbull Conference Center (All Sessions in Auditorium)

- 7:00 a.m. 5k Run at Cascades Park (Meet at Cascades Trail at Intersection of W. Van Buren & South Adams Streets)
- 8:00 a.m. Breakfast (including Student – Mentor Breakfast)
- 9:00 a.m. Jeopardy - Current Developments Affecting Solid Waste Management in Florida
- 10:00 a.m. Break
- 10:30 a.m. Coal Combustion Residuals Roundtable
- 12:00 p.m. Lunch
- 1:00 p.m. Water Supply Management and Sustainability
- 2:30 p.m. Break
- 3:00 p.m. Contaminated Media Forum; 62-780/777, F.A.C., Regulatory Update (Micro-session)
- 3:30 p.m. Legal and Regulatory Update on Air Quality Issues
- 5:00 p.m. Florida A&WMA Business Meeting, Awards, Door Prizes
- 5:30 p.m. Adjourn

Thank you to our Platinum Conference Sponsors!



GreenbergTraurig



Agenda - In Detail

WIRELESS ACCESS: FSUGuest is the university's guest Wi-Fi network. Connect to FSUGuest to access public Wi-Fi while on FSU's main campus. Choose FSUGuest from the list of available networks. Open a Web browser, click the Guest Registration button, and you will be directed to a guest registration page. Upon registration, guest Wi-Fi is available immediately, and access is valid for one day. Guests can access Wi-Fi on multiple devices, and there is no limit to the number of times a visitor can register. FSUGuest is a local area network, and connectivity is available in many classrooms, conference rooms, auditoriums and other public areas on the main campus.

TUESDAY, 24th October

- 11:00 a.m.** **Pre-Conference Tour of Florida's Modern Capitol Building
(Meet inside Capitol at Visit Florida Reception Desk/Dolphin entrance)**
- 1:00 p.m.** **Florida Section A&WMA Board Meeting - Hopping Green & Sams Offices**
- 3:00 p.m.** **Pre-Conference Tour of Florida's Historic Capitol Building
(Meet at Reception Desk/Courtyard Entrance)**
- 5:00 p.m.** **Networking Reception at Harry's Seafood Bar & Grill
hosted by Young Professionals**

WEDNESDAY, 25th October at FSU Turnbull Conference Center

- 7:00 a.m.** **Registration Opens - Turnbull Reception Desk**
- 8:00 a.m.** **Welcome – Florida Section Chair, Conference Chairs, Conference Technical Chairs**
- 8:15 a.m.** **Sustainability Leadership and Resilience (Auditorium)**
 - Moderator: **Byron Burrows**, Manager, Air Programs, TECO Energy
 - Speakers: **Gary Mitchum**, Ph.D., Associate Dean, Professor, College of Marine Science, USF
 - Victor Ibeanusi**, Ph.D., Dean, School of the Environment, FAMU
 - Rama Iyer**, P.E., Senior Engineer, Mosaic Company

Sustainability and resilience initiatives have made advances in the areas of science and society over the last decade. This conference theme will explore this progress in a diversity of topics ranging from marine systems, to climate change adaptation and food security. The ambition is to discuss emerging insights, key challenges for research and applications, and exciting new opportunities.

- 9:30 a.m.** **Break - Student Poster Competition Sponsored by**



- 10:30 a.m.** **Concurrent Sessions**

Federal Legislative, Rulemaking, and Policy Developments (Auditorium)

- Moderator: **Robert Manning**, Shareholder, Hopping Green & Sams, P.A.
- Speakers: **Shannon Bañaga**, Director, Federal Affairs, TECO Energy
- Scott Clouse**, Environmental Policy and Engagement Manager, Southern Company

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Dan Thompson, Partner, Berger Singerman
Kenneth Mitchell, Ph.D, Special Assistant to the Director,
Air, Pesticides and Toxics Management, EPA Region IV

Update on current federal regulatory developments and EPA priorities.

Air Permitting 101 (Room 214)

Speakers: **David Read**, P.E., Division of Air Resource Management, Permitting Section Administrator, Fla. Department of Environmental Protection
Jonathan Holtom, P.E., CPM, Division of Air Resource Management, Fla. Department of Environmental Protection
Stephen Hathaway, P.E., Division of Air Resource Management, Fla. Department of Environmental Protection
Scott Sheplak, P.E., Division of Air Resource Management, Fla. Department of Environmental Protection

This session features presentations by permit engineers from the Florida Department of Environmental Protection on a variety of air permitting 101 topics, including common pitfalls in completing permit applications, pre-application meetings, time clocks, requests for additional information (RAIs), and administrative petition rights.

12:00 p.m.

Lunch Sponsored by



1:00 p.m.

Concurrent Sessions

Florida Legislative Session - Look Back at 2017 and Look Ahead to 2018 (Auditorium)

Moderator: **David Childs**, Shareholder, Hopping Green & Sams, P.A.
Speakers: **Christopher Emmanuel**, Director, Infrastructure and Governance Policy, Florida Chamber of Commerce
Lee Killinger, Director of Public Policy and Governmental Affairs, Mosaic Company
Rebecca O'Hara, Senior Legislative Advocate, Florida League of Cities

This session features representatives from both the public and private sector to provide a review of significant issues from the 2017 Legislative Session and a preview of the environmental issues likely to come before the Florida Legislature in the 2018 Legislative Session.

NPDES/Water Quality 101 (Room 214)

Speakers: **Elsa Potts**, Industrial Wastewater Program Administrator, Fla. Department of Environmental Protection
Marc Harris, Industrial Wastewater Section Engineer, Fla. Department of Environmental Protection

This session will provide an overview of the NPDES application process, RAIs, Draft Permit conditions, Public Notice, Administrative procedures and EPA program oversight.

2:00 p.m.

Break Sponsored by 
Student Environmental Challenge

3:00 p.m.

Concurrent Sessions

FDEP Leadership Roundtable (Auditorium)

Moderator: **Paula Cobb**, Director of Environmental Affairs & Stakeholder Engagement, Duke Energy

Speakers: **Jeff Koerner**, Director of the Division of Air Resource Management, Fla. Department of Environmental Protection
Justin Green, Director of the Division of Water Resource Management, Fla. Department of Environmental Protection
Joseph “Joe” Ullo, Director of the Division of Waste Management, Fla. Department of Environmental Protection

This session features Florida Department of Environmental Protection leadership in a roundtable discussion covering the latest agency organizational changes, programmatic revisions, goals, and policy initiatives.

E-Tools Training (Room 214)

Speakers: **Elizabeth Walker**, Division of Air Resource Management, Data Coordinator, Fla. Department of Environmental Protection

Dianne Spingler, Division of Air Resource Management, Emissions Inventory Data, Fla. Department of Environmental Protection

Cindy Phillips, P.E., Senior Program Analyst, Division of Air Resource Management, Fla. Department of Environmental Protection

This session features presentations, by representatives from the Florida Department of Environmental Protection Division of Air Resource Management, addressing aspects of two of the Department’s e-tools, and related issues. Topics include NEXUS/OCULUS training, Electronic Annual Operating Report best practices and common issues, and recent updates to the Annual Operating Report for Air Pollutant Emitting Facility, form, and instructions.

4:00 p.m.

Concurrent Sessions

Stakeholder Engagement and Environmental Stewardship (Auditorium)

Moderator: **Paula Cobb**, Director of Environmental Affairs & Stakeholder Engagement, Duke Energy

Speakers: **Katie Allen**, Director, Conservation Leadership Network, The Conservation Fund

Scott Clouse, Environmental Policy and Engagement Manager, Southern Company

Eric Schwaab, VP Conservation Programs, National Fish and Wildlife Foundation

This session will discuss the impetus behind, and the results of, companies’ varied stakeholder engagement efforts. Panelists will also explore potential environmental

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stewardship successes and opportunities within the context of stakeholder engagement.

Discovery of Contamination, Release Reporting, and Corrective Measures (Room 214)

Speakers: **Joseph “Joe” Ullo**, Director of the Division of Waste Management, Fla. Department of Environmental Protection
Max Lee, Ph.D., P.E., President, Koogler & Associates
Angela Morrison, Principal Attorney, Morrison Environmental Law

5:00 p.m.

Reception Sponsored by



6:00 p.m.

Florida Section A&WMA Dinner & Awards Program Sponsored by

Award presentations: Claire Fancy
Student Poster/Environmental Challenge



THURSDAY, 26th October at FSU Turnbull Conference Center (All Sessions in Auditorium)

7:00 a.m.

Florida Section A&WMA 5k Run at Cascades Park

8:00 a.m.

Breakfast Sponsored by



Includes the Student – Mentor Breakfast

9:00 a.m.

Jeopardy - Current Developments Affecting Solid Waste Management in Florida

Moderator: **Nandra Weeks**, P.E., Senior Principal Engineer, Geosyntec Consultants

Speakers: **Dr. Timothy “Tim” Townsend**, Ph.D, Professor of Environmental Engineering, University of Florida
Dawn McCormick, Director, Communications & Community Relations, Waste Management
Kim Byer, P.G., Solid Waste Director, Solid Waste Management Division, Hillsborough County Public Works Department
David Dee, Attorney, Gardner, Bist, Bowden, Bush, Dee, LaVia & Wright
Cory Dilmore, P.E., Environmental Administrator, Solid Waste Section, Division of Waste Management, Fla. Department of Environmental Protection

This session will cover current solid waste developments in a lively gameshow format! Stay in the know concerning the latest buzz-worthy topics challenging waste management professionals throughout Florida. The contestants will discuss industry trends and recent developments affecting both private companies and local governments. Topics will include the current and future challenges facing Florida’s 75% recycling goal, mixed waste processing facilities, innovative waste management technologies, waste-to-energy facilities, and landfills, as well as the industry’s responses to Hurricane Irma, and much more. Our contestants include a leading solid waste environmental attorney, representatives from public and private entities responsible for managing our wastes in Florida, FDEP, and a preeminent researcher in solid waste management issues.

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10:00 a.m. Break

10:30 a.m. **Coal Combustion Residuals Roundtable**

Moderator: **Mike Markey**, P.G., Environmental Affairs Director, Gulf Power Company

Speakers: **Joseph “Joe” Ullo**, Director of the Division of Waste Management, Fla. Department of Environmental Protection
James “Jim” Roewer, Executive Director, Utility Solid Waste Activities Group
Kevin Brown, Principal, Golder Associates, Inc.
Carl Eldred, Shareholder, Hopping Green and Sams

EPA finalized the Coal Combustion Residuals (CCR) Rule over two years ago. Developing a compliance strategy for this complex and unique rule, however, has been made particularly difficult with additional uncertainties posed by ongoing rule challenges, passage of the WIIN Act, potential state permitting programs, petitions for reconsideration and stay of deadlines, and litigation seeking to mandate closure of CCR units by removal. This session will provide legal and technical perspectives on the many challenges facing electric utilities in implementing the CCR rule, along with an update on the status of the rule challenges, related litigation, and potential implementation of state CCR permit programs pursuant to the WIIN Act.

12:00 p.m. **Lunch Sponsored by Hopping Green & Sams**

Attorneys and Counselors

1:00 p.m. **Water Supply Management and Sustainability**

Moderator: **Manitia Moultrie**, US Power Sector Leader/Principal, Golder Associates, Inc.

Speakers: **David Childs**, Shareholder, Hopping Green & Sams, P.A.
Stephen James, Director of Water Policy, Fla. Department of Environmental Protection
Ilia Balcolm, Senior Environmental Specialist, Duke Energy
Vincent Seibold, P.E., MBA, EHS Manager, MCC Jacksonville, Anheuser-Busch, InBev

This session will offer a discussion of regulatory activities, policies and industry challenges and success stories associated with water supply, water management and sustainability.

2:30 p.m. Break

3:00 p.m. **Contaminated Media Forum; 62-780/777, F.A.C., Regulatory Update (Micro-session)**

Moderator: **Joe Applegate**, P.G., Sr. Principal Hydrogeologist, Geosyntec Consultants

Speakers: **Brian Dougherty**, Program Manager, Division of Waste Management, Fla. Department of Environmental Protection
Chris Teaf, Ph.D, President & Director of Toxicology, HWSMR
Mike Petrovich, Shareholder, Hopping Green & Sams, P.A.

3:30 p.m. **Legal and Regulatory Update on Air Quality Issues**

Moderator: **Michael Cooke**, Of Counsel, Greenberg Traurig

Speakers: **Preston McLane**, Deputy Director, Division of Air Resource Management, Fla. Department of Environmental Protection
Scott Osbourn, P.E., Principal & Practice Leader, Trinity

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Consultants

Bill Karl, P.E., Senior Engineer, ECT

Michael Ballenger, P.E., Florida Manager, Trinity
Consultants

This session will provide an update on federal and state air quality issues, including the status of major rules, legal challenges, and initiatives.

5:00 p.m. **Florida A&WMA Business Meeting, Awards, Door Prizes**

5:30 p.m. **Adjourn**

STUDENT SCHOLARSHIP AND PRIZE SPONSORS



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Meals and Breaks catered by: 

Professional Development Hours (PDH)

The Air & Waste Management Association (A&WMA) has been granted status as Provider No. # 0003891 for Continuing Education by the Florida Board of Professional Engineers (FBPE): one (1) hour of attendance at a session, course, seminar, etc., will count as one (1) Professional Development Hour (PDH) for Florida Licensed Professional Engineers (PEs). Additionally, certificates of attendance may be used to meet other recertification requirements including CChE, DEE, PE (for other states that have granted approval), PEng, QEP, etc. Attendee is responsible for determining eligibility for credits other than Florida PE PDHs.

You **MUST** complete the "Florida P.E. PDH Verification & Certificate Request Form" and turn it in at the registration table to receive credit. See the registration table for details or see **Lynn Robinson** before you leave the conference.

Thank you to our Presenters! (Listed alphabetically)



Katie Allen, Director, Conservation Leadership Network, The Conservation Fund

Session: Stakeholder Engagement and Environmental Stewardship

Katie Allen leads The Conservation Fund's Conservation Leadership Network (CLN) in the development, execution and evaluation of The Fund's range of services related to innovative partnership programs, capacity building trainings, sustainability consulting and technical assistance. Katie works with community, governmental, and corporate partners to build capacity among leaders to enable on the ground conservation solutions and reach sustainable economic development goals. Since 2010, Katie has designed and led several national and place-based initiatives for The Fund including the Federal Lands Livability Initiative, the National Workshop on Water Quality Trading, and Appalachian Gateway Community workshops and sustainable tourism assessments. She serves as facilitator for CLN's long-standing and highly-acclaimed Balancing Nature and Commerce Course, Mitigation Banking for Inter-Agency Review Teams Course, and Conservation Banking Course, as well as their regional offerings across the country. She holds a Masters of City and Regional Planning in Environmental and Land Use Planning from the University of North Carolina-Chapel Hill and a Bachelor of Science in Communications from Boston University.



Ilia Balcolm, Senior Environmental Specialist, Duke Energy

Session: Water Supply Management and Sustainability

Ilia Balcolm is a Senior Environmental Specialist with Duke Energy of Florida as a subject matter expert on NPDES, wastewater and water permitting and compliance. Ms. Balcolm has over 23 years of environmental compliance experience, with 15 of those years as an Environmental Manager with the Florida Department of Environmental Protection. Ms. Balcolm has a Bachelor of Science in Environmental Science from the University of Puerto Rico.



Michael Ballenger, P.E., Florida Manager, Trinity Consultants

Session: Legal and Regulatory Update on Air Quality Issues

Michael Ballenger currently serves as the Florida Manager for Trinity Consultants, based out of Orlando. Michael specializes in air quality permitting and compliance, working with industry to evaluate permitting authorization pathways (e.g., PSD permitting), and manage compliance with existing permits. Michael works closely with both industrial facilities and the Florida Department of Environmental Protection to assess considered projects and operations, defining environmental project risks, and developing strategic permitting solutions while appropriately managing subsequent compliance obligations. Michael is a registered Professional Engineer in the state of Florida. He graduated summa cum laude with a B.S. in Mechanical Engineering from North Carolina State University.



Shannon Bañaga, Director, Federal Affairs, TECO Energy - An Emera Company

Session: Federal Legislative, Rulemaking, and Policy Developments

Shannon Maher Bañaga joined TECO Energy as Director of Federal Affairs in December 2014. In this role, she oversees the operations of the company's federal government affairs strategy in Washington, D.C. Her areas of expertise include environmental and energy policy, regulatory matters involving federal environmental and energy agencies, legislative relations and more. Immediately prior to joining TECO Energy, Bañaga worked for the Public Service Enterprise Group. As Senior Manager of Public Policy and Governmental Affairs, Bañaga was responsible for advancing PSEG's environmental leadership and coordinating interaction with key Washington environmental stakeholders and agencies. Among her notable activities with PSEG, she testified before the Environmental Protection Agency and participated in high-level federal policy and administrative meetings on key environmental issues. Preceding PSEG, Bañaga was the Senior Energy Associate for Husch Blackwell, LLP, where she represented energy companies and state commissions in complaints, protests, and rulemaking proceedings before the Federal Energy Regulatory Commission and other federal agencies. She also prepared corporate compliance programs, conducted training for energy traders, negotiated settlements and defended natural gas marketing companies subject to FERC enforcement proceedings. Before private practice, Bañaga was an enforcement attorney with FERC, where she investigated violations of the Federal Power Act, Natural Gas Act, Natural Gas Policy Act and the Commission's regulations. Bañaga earned her Bachelor of Science in Environmental Studies at Florida State University, after which she received her Master of Science in Environmental Law at Vermont Law School, followed by her Juris Doctor at the same school. She subsequently worked at the U.S. Department of Energy on environmental and nuclear matters; the

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Safe Energy Communication Council on energy efficiency initiatives; and Wilson & White, P.C. in Montpelier, Vermont as a legislative intern. Bañaga is a member of the State of Connecticut and the District of Columbia Bars. She currently serves on the National Coal Council, a non-profit advisory group to the Secretary of Energy chartered under the Federal Advisory Committee Act. In addition, Bañaga has served in various leadership positions with the Energy Bar Association and works with the Women's Council on Energy and the Environment.



Kevin Brown, Principal, Golder Associates Inc.

Session: Coal Combustion Residuals Roundtable

Mr. Brown is a Principal with Golder Associates and currently leads the Company's Atlanta operation. Mr. Brown has been with Golder for 26 years, with most of his career focusing in the solid waste and environmental industries. He is a registered professional engineer in Florida and Georgia and has been involved with multiple Coal Combustion Residual related closure projects over the past several years. He obtained his Master of Science Degree in Civil Engineering from Georgia Tech in 1992, specializing in geotechnical engineering.



Kim Byer, P.G., Solid Waste Director, Hillsborough County Public Works Department, Solid Waste Management Division

Session: Jeopardy - Current Developments Affecting Solid Waste Management in Florida

Kim Byer is Hillsborough County's Solid Waste Division Director. She is a Licensed Professional Geologist and a graduate of the University of South Florida. Kim was selected to serve as Hillsborough County Solid Waste Director in January 2014. In this role Kim oversees solid waste collections and disposal for over 800,000 Hillsborough County residents. Her Division includes 129 employees, a 580,000 ton per year Waste to Energy Facility, a Class I landfill, and two Solid Waste Transfer Stations. Before being promoted to Director, Kim is a long standing SWANA member and has served several terms on the Board of Directors as well as chaired several committees. She also services on the Board of Directors for The Hinkley Center for Solid and Hazardous Waste and is on the Executive Board for Keep Tampa Bay Beautiful.



David Childs, Shareholder, Hopping Green & Sams, P.A.

Session: Water Supply Management and Sustainability

David is a shareholder with Hopping Green & Sams. He represents utilities, businesses, and trade associations on environmental legal and legislative issues. Over the past ten years, David has been involved in all the major regulatory and legislative developments impacting state water policy. He served two terms on the Florida Boating Advisory Council under the appointment of former Governor Crist, and recently, Governor Scott appointed David to serve again. He devotes his free time to his wife, Lizbeth, and his two young children. He also is an active supporter of Grace Mission, a local soup kitchen and homeless ministry affiliated with the Episcopal Church. On Saturdays in the fall, David can be heard ringing his cowbell in support of the Maroon and White.



Scott Clouse, Environmental Policy and Engagement Manager, Southern Company

Sessions: Federal Legislative, Rulemaking, and Policy Developments; Stakeholder Engagement and Environmental Stewardship

Scott is the Environmental Policy & Engagement manager with Southern Company Services Environmental Affairs (SCS EA). Scott began his career at Southern Company in research and environmental affairs as a process engineer at the power systems development facility in 2004. Prior to joining SCS EA in 2016, Scott since held various roles of increasing responsibility and leadership within fuel services, fleet operations and trading, Alabama Power environmental affairs and system planning. Scott holds a bachelor's degree in chemical engineering from the University of Alabama. Scott and his wife, JoLynn, have two daughters Mallory (9) and Haley Kate (4).



David Dee, Attorney, Gardner, Bist, Bowden, Bush, Dee, LaVia & Wright, P.A.

Session: Jeopardy - Current Developments Affecting Solid Waste Management in Florida

David S. Dee has 38 years of experience working for public and private clients throughout Florida on a wide range of projects involving environmental law issues. Among other things, Mr. Dee has extensive experience with solid waste and air quality issues, having successfully obtained the environmental permits for multiple waste-to-energy facilities, landfills, and other solid waste facilities. He also prepares solid waste franchise agreements, requests for proposals, ordinances, and contracts for local governments in Florida. Mr. Dee is a past Chairman of the Environmental and Land Use Law Section of the Florida Bar Association and a past Chairman of the Advisory Board for the University of Florida's Hinkley Center for Solid and Hazardous Waste Management. Mr. Dee currently serves on the Board of Directors for the Hinkley Center and the Board of Directors for Keep Florida Beautiful, Inc. Mr. Dee has been selected for Florida Super Lawyers, Leading Florida Attorneys, The Best Attorneys Network, America's Leading Lawyers for Business, and The Best Lawyers in America. Mr. Dee was selected by Best Attorneys in 2012 and 2016 as the "Attorney of the Year" in Tallahassee in the area of Environmental Litigation. He was selected as the 2014 "Attorney of the Year" in Tallahassee in Environmental Law.



Cory Dilmore, P.E., Environmental Administrator, Solid Waste Section, Division of Waste Management, Fla. Department of Environmental Protection

Session: Jeopardy - Current Developments Affecting Solid Waste Management in Florida

Cory Dilmore serves as Environmental Administrator of the Florida Department of Environmental Protection's Solid Waste Section. Cory obtained his Bachelor of Science degree in Civil Engineering from Florida State University in 2001 and subsequently worked in the engineering private sector and obtained his Professional Engineer License. Since joining the Solid Waste Section in 2013, Cory has used his private sector experience in project management, design, and permitting of civil engineering projects to advance within the Solid Waste Section and he continues to use that experience to make informed decisions regarding solid waste related issues as the Solid Waste Section's Environmental Administrator.



Brian Dougherty, Program Manager, Division of Waste Management, Fla. Department of Environmental Protection

Session: Contaminated Media Forum; 62-780/777, F.A.C., Regulatory Update

Brian Dougherty is a Program Manager with the Division of Waste Management at the Florida Department of Environmental Protection. He currently manages the District and Business Support Program which coordinates contaminated site cleanup for the Division. He was the rule manager for the recent revision to the Contaminated Site Cleanup Criteria rule, and is helping with the planning for the upcoming revisions to the cleanup target levels. He has been involved in contaminated site cleanup for over 25 years and currently works closely with the district lead waste cleanup sites to help insure timely and consistent cleanups of these sites. He is also responsible for a smooth roll out of Risk Based Corrective Action for these sites and for the resumption of the Contaminated Media Forum.



Carl Eldred, Shareholder, Hopping Green and Sams, P.A.

Session: Coal Combustion Residuals Roundtable

Carl is a shareholder with Hopping Green & Sams, where he represents and counsels clients on solid and hazardous waste management, waste recycling, alternative fuels, hazardous substance and pollutant releases, and property contamination issues. Carl is a past Chair of the Environmental & Land Use Law Section of the Florida Bar. Born and raised in Yorkshire, England, Carl obtained a law degree in England before moving to Virginia, where he obtained his Juris Doctorate.



Christopher Emmanuel, Director, Infrastructure and Governance Policy, Florida Chamber of Commerce

Session: Florida Legislative Session - Look Back at 2017 and Look Ahead to 2018

Christopher Emmanuel is the Director of Infrastructure & Governance Policy at the Florida Chamber of Commerce, where he serves as the primary advocate for transportation, utilities, energy, and property rights issues on behalf of the state's largest business association. Emmanuel sits on the Florida Transportation Plan and Strategic Intermodal System Implementation Committee, serves as

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a Railroad Advocate for GoRail, and is a member of the James Madison Institute's Board of Advisors. Prior to the Florida Chamber, Emmanuel served as a Policy Advisor for Governor Jeb Bush's presidential campaign and for Governor Rick Scott's 2014 gubernatorial campaign. Emmanuel holds a B.A. in Political Science and History from the University of Florida and J.D. from the Florida State College of Law. He is a member of the Federalist Society, a former Gubernatorial Fellow, and is admitted into the Florida Bar. Emmanuel and his wife live in Tallahassee.



Justin Green, Director of the Division of Water Resource Management, Fla. Department of Environmental Protection

Session: FDEP Leadership Roundtable

Justin currently serves as the Director of the Florida Department of Environmental Protection's Division of Water Resource Management. Prior to becoming Director of the water program, Justin was the Director of the Department's Division of Air Resource Management. Justin's focus during his tenure with the agency has been ensuring statewide quality and consistency, modernizing the Division's electronic tools, and finding common sense solutions to complex problems. He has a law degree from The Florida State University College of Law and received his undergraduate degree from the University of Wisconsin.

Marc Harris, Industrial Wastewater Section Engineer, Fla. Department of Environmental Protection

Session: NPDES/Water Quality 101

Marc is a Registered Professional Engineer with over 20 years in the environmental field both in the private and public sectors. For the past 11 years, Marc has served at the Florida Department of Environmental Protection as an Environmental Administrator in the Division of Water Resource Management overseeing the issuance of NPDES industrial wastewater permits for power plants in Florida.



Stephen Hathaway, P.E., Division of Air Resource Management, Fla. Department of Environmental Protection

Session: Air Permitting 101

Mr. Stephen Hathaway has a Bachelor of Science in Chemical Engineering degree from the University of South Florida and is a licensed professional engineer in Florida. Mr. Hathaway has 11 years of experience in the environmental engineering field focused on air quality permitting and compliance, including the last 2 years working for the Florida Department of Environmental Protection (FDEP). Previously, Mr. Hathaway worked for the Hillsborough County Local Air Program for 8 years and an engineering consulting firm for 1 year. Mr. Hathaway is a Professional Engineer with the Office of Permitting and Compliance in the Division of Air Resource Management (DARM) of the FDEP. Mr. Hathaway is one of DARM's rising experts in PSD and Title V permitting, including federal New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants.



Jonathan Holtom, P.E., CPM, Division of Air Resource Management, Fla. Department of Environmental Protection

Session: Air Permitting 101

Mr. Jonathan (Jon) Holtom, P.E., CPM, has a Bachelors degree in Mechanical Engineering from the Florida State University, is a Certified Public Manager, and has been a licensed professional engineer in Florida since 1998. Mr. Holtom has direct experience in residential and commercial construction, lumber and plywood manufacturing, mechanical engineering consulting, and has worked with the Florida Department of Environmental Protection's (FDEP) Division of Air Resource Management for the past 25 years. Mr. Holtom has previously served as the Program Administrator of the Bureau of Air Regulation's Title V Permitting Section and as the Environmental Administrator of the Office of Permitting and Compliance's Power Plant Permitting and Compliance Section. Mr. Holtom is one of DARM's leading technical experts in Title V permitting requirements, the federal New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). He also serves as the Department's leading expert on the federal rules for reciprocating internal combustion engines (RICE). In addition to processing Title V and air construction permits for electrical generation and industrial facilities, a large portion of his daily work is concentrated on providing permit writing training and rule applicability determinations to statewide regulatory staff, as well as to the regulated industry owners and their consulting engineers.



Victor Ibeanusi, Ph. D., Dean, School of the Environment, FAMU

Session: Sustainability Leadership and Resilience

Professor Ibeanusi is the first new Dean of the School of the Environment at Florida Agricultural & Mechanical University (FAMU) and was previously the founding chair of the Environmental Science and Studies Program at Spelman College. Professor Ibeanusi has a heartfelt vision of making the possibility of sustainable watersheds and access to safe drinking water and sanitation become a global reality. Professor Ibeanusi's commitment to safe water and sanitation, water quality and sustainable watersheds spans over 25 years and has continued with a renewed vision rooted in rural communities. Prof Ibeanusi believes that restoring watersheds, groundwater, and sources of drinking water are the biggest challenges facing the global community. With increasing impacts of climate change on watersheds, increasing populations, global conflicts, and natural disasters, many rural and urban communities of the world are facing larger problems than even a year ago. Through his research Professor Ibeanusi has developed a US patented bioremediation system for treating toxic metals and volatile organic compounds in wastewater. Ibeanusi's bioremediation research endeavors have been demonstrated to be effective in treating some of the water sources in jeopardy, and forums such as the International Conferences on Safe Water, which Professor Ibeanusi chairs, provides global awareness and solutions of the seriousness of contamination problems and, more importantly, the exploration for practical solutions. Professor Ibeanusi is a recipient of the Senior Fulbright Fellow designed to support curricular and institutional planning at academic institutions in 140 countries, and an AT&T Foundation Industrial Ecology Fellow.



Rama Iyer, P.E., Senior Engineer, Mosaic Company

Session: Sustainability Leadership and Resilience

For the past eight years Mr. Iyer has been doing air permitting work at Mosaic Fertilizer company, one of the world's largest producers and marketers of concentrated phosphate and potash crop nutrients, with phosphate rock mines and phosphate fertilizer plants in Central Florida and potash mines in New Mexico and Saskatchewan, Canada. Mosaic also has joint venture mine interests in Peru and fertilizer production in Saudi Arabia. Prior to Mosaic, Mr. Iyer has done air permitting work with consulting companies, as well as noise analysis, air quality and hazardous site work at the Florida Department of Transportation and HDR Engineering. Mr. Iyer started his career as a Process Engineer with PETRONAS (the national oil company of Malaysia), in ammonia-urea plant project engineering, then worked at Uhde, GmbH in Dortmund, Germany in the process development section, before coming to the U.S. to pursue chemical and environmental engineering opportunities.



Stephen James, Director of Water Policy, Fla. Department of Environmental Protection

Session: Water Supply Management and Sustainability

Stephen James currently serves as the Legislative Staff Attorney for the Florida Association of Counties. Mr. James has worked in the public sector in environmental regulation, and in the private sector practicing environmental and land use law in Miami, Florida and Seattle, Washington. Prior to working on behalf of the Association of Counties, Mr. James represented a number of public and private clients on a range of environmental, growth management and water resource matters as a lobbyist and consultant in Tallahassee. He currently serves on the Florida Agricultural Water Policy Advisory Council, the Florida Beaches Habitat Conservation Plan Steering Committee, is a Board Member of Florida Water Advocates and a member of Florida's H2O Coalition. Mr. James earned his bachelor's degree in chemistry from Florida International University and his Juris Doctor, magna cum laude, from the University of Miami, where he served on the Miami Law Review.



Bill Karl, P.E., Senior Engineer, Environmental Consulting & Technology, Inc.

Session: Legal and Regulatory Update on Air Quality Issues

Bill Karl, P.E., is a senior engineer with Environmental Consulting & Technology, Inc. (ECT), and has more than 36 years of professional experience, the past 23 years in environmental consulting, specializing in air quality issues. Mr. Karl serves both public- and private-sector clients throughout the United States in the power, oil and gas, mining, transportation, and entertainment industries. Mr. Karl has been qualified as an expert witness in the technical areas of air regulatory permitting and compliance. Before his consulting career, Mr. Karl worked in industry for manufacturers of hydroelectric turbines and air pollution control equipment. Mr. Karl is registered as a professional engineer in Florida and received his bachelor's degree in mechanical engineering from the University of Maryland.

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Lee Killinger, Director of Public Policy and Governmental Affairs, Mosaic Company

Session: Florida Legislative Session – Look Back at 2017 and Look Ahead to 2018

Lee Killinger received his B.A. from Sewanee – The University of the South, and his J.D. from Wake Forest. He has worked as an attorney in private practice and for the Department of Environmental Protection, where he was lead counsel in Everglades restoration litigation, and a lobbyist for the agency. He also has served as General Counsel for the Florida Association of Counties; Director of Government and Community Relations for The Nature Conservancy's Florida Chapter; and as a private sector lobbyist and consultant for clients on a range of issues. In 2015, he became Director of Public Policy and Government Affairs for Mosaic, and works in Tallahassee on legislative and regulatory issues.



Jeff Koerner, Deputy Director, Division of Air Resource Management, Fla. Department of Environmental Protection,

Session: FDEP Leadership Roundtable

Jeff Koerner is the Director of the Division of Air Resource Management for the Florida Department of Environmental Protection. He received his Bachelor of Science degree in mechanical engineering from the University of Florida. Jeff has three years of experience in design/consulting for private business, nine years of regulatory experience with the Palm Beach County local air program and 18 years of regulatory experience with the Florida Department of Environmental Protection. Jeff is a member of the Air and Waste Management Association and the Florida Engineering Society. The Division of Air Resource Management administers the federal Clean Air Act as well as state regulations for stationary sources of air pollution. It also provides oversight for permitting, compliance, enforcement, and ambient monitoring activities throughout Florida's six district offices and nine local air programs. As Director, Jeff helps set statewide policy to ensure consistent and fair regulation.



Max Lee, Ph.D., P.E., President, Koogler & Associates

Session: Discovery of Contamination, Release Reporting, and Corrective Measures

Max Lee is president of Koogler and Associates, Inc. He received his doctorate in environmental engineering in 1999 at the University of Florida and has since focused on consulting in air pollution related issues. He has worked with numerous national associations in state and Federal rulemaking processes. More recently, he worked with the Florida Portland cement industry to address air emissions issues in the recently implemented Florida Pollution Incident Reporting rule.



Dawn McCormick, Director, Communications & Community Relations, Waste Management Inc. of Florida

Session: Jeopardy - Current Developments Affecting Solid Waste Management in Florida

As Director, Communications & Community Relations for Waste Management Inc. of Florida, Dawn McCormick is responsible for external and internal communications and community relations for Waste Management throughout Florida. She manages a variety of communication vehicles to the company's thousands of customers, its 3,500 employees, and media representatives, oversees the firm's charitable contributions program and is a member of the company's statewide Government Relations team in Tallahassee. She is Vice Chair of the Florida Recycling Partnership, 2nd Vice Chair of Keep Florida Beautiful, a board member of Sustainable Florida and a member of the NWRA Florida Chapter Recycling Task Force. She was a member of Leadership Florida's Class XXXIV.

Preston McLane, Deputy Director of the Division of Air Resource Management, Fla. Department of Environmental Protection

Session: Legal and Regulatory Update on Air Quality Issues

Preston McLane is Deputy Director of the Florida Department of Environmental Protection's Division of Air Resource Management. In this role, Preston oversees the offices responsible for permitting, compliance, regulatory planning, rulemaking, budget development, grants, and legislative activity for the Division. Preston joined the Division in 2013 after working an attorney in private practice specializing in environmental law, water and air permitting, land use law, and administrative litigation. Preston is a 2009 magna cum laude graduate of the Florida State University College of Law, with a Certificate in Environmental and Land Use Law with honors. In addition to his duties with the Department, Preston has also served as an Adjunct Professor of Environmental Law at the Florida State University College of Law. Preston can be reached by e-mail at Preston.McLane@dep.state.fl.us, or phone at (850) 717-9089.



Kenneth Mitchell, Ph.D., Special Assistant to the Director, Air, Pesticides & Toxics Management, EPA Region IV

Session: Federal Legislative, Rulemaking, and Policy Developments

Dr. Mitchell has over 20 years of wide-ranging multi-media environmental experience including work in the private sector, Federal and State governments, and international assignments on a wide array of environmental programs, including the Clean Air Act, RCRA, Superfund, water issues, and energy concerns. He is currently the Special Assistant to the Director for EPA Region 4's Air, Pesticides, and Toxics Management Division in Atlanta. He holds a Ph.D. in chemistry from the Georgia Institute of Technology and a B.S. in chemistry from UNC Chapel Hill.



Gary Mitchum, Ph.D., Associate Dean, Professor, College of Marine Science, USF

Session: Sustainability Leadership and Resilience

Professor Mitchum has been a faculty member in the College of Marine Science at the University of South Florida since 1996. Prior to coming to the USF he was a faculty member in the Department of Oceanography at the University of Hawaii where he was also the Director of the University of Hawaii Sea Level Center. His interest in sea level rise began there in the mid-1980's, and he remains especially interested in the study of 20th century sea level rise. Professor Mitchum's research focuses on the use of satellite and in situ data to study sea level variations and climate change. In addition, he also works on a wide variety of problems in the general area of ocean physics, including ocean eddies, the El Nino phenomenon, internal tides and various types of ocean waves. He also has a long-standing interest in the application of ocean physics to improve our understanding of fisheries. Dr. Mitchum currently serves as the Associate Dean for Research for the college.



Angela Morrison, Principal Attorney, Morrison Environmental Law

Session: Discovery of Contamination, Release Reporting, and Corrective Measures

Angela R. Morrison has 27 years' of experience in environmental and administrative law in Florida, and is a recognized leader on air quality, climate change, and energy issues. She is currently the Principal Attorney at Morrison Environmental Law and spent much of her career with the Tallahassee firm Hopping Green & Sams. Angela is a co-author of the American Bar Association's Clean Air Act Handbook and currently serves on the governing council for the ABA's Environment, Energy and Resources Section where she has been active in leadership positions for more than twenty years. She was recently recognized as a Best Lawyer in America in the field of Environmental Law, and the Coastal Plains Chapter of the Air & Waste Management Association recognized her for 26 years of excellence in professional environmental education. During the course of her career, Angela has represented a wide variety of clients from different industry sectors, including electric power generation, cement, chemical, steel, alternative and renewable fuels, boats/ships, phosphate fertilizer, developers, marinas, and municipal governments. She routinely assists her clients with navigating complex environmental regulations on not only air and climate change issues but also on release reporting, waste, wetland, resource, and land use issues. She counsels her clients on reporting, licensing, permitting, compliance, and enforcement defense strategies and, when appropriate, she advocates on their behalf through rulemakings, legislative efforts, administrative hearings, and settlement negotiations at the local, state, and federal levels. Using her breadth and depth of knowledge, Angela works closely with her clients, their consultants, and her diverse network of agency representatives to develop successful, creative, and practical siting, permitting, and compliance strategies and solutions to minimize costs while ensuring appropriate corporate stewardship. Angela also advocates for individuals with disabilities under the Americans with Disabilities Act, the Individuals with Disabilities Education Act, and Section 504 of the Rehabilitation Act, primarily on a pro bono basis.



Scott Osbourn, P.E., Principal & Practice Leader, Trinity Consultants

Session: Legal and Regulatory Update on Air Quality Issues

Mr. Osbourn is a Principal and Practice Leader with Trinity Consultants, focusing his efforts in the power and manufacturing market sectors. He has 35 years of experience in multidisciplinary environmental projects, with an emphasis on air quality and energy issues. Prior to his past 17 years in consulting, Mr. Osbourn spent 10 years with the former Progress Energy, now Duke Energy. Mr. Osbourn is an Auburn University graduate with a BS in Civil Engineering and is a Florida PE.



Rebecca O'Hara, Senior Legislative Advocate, Florida League of Cities

Session: Florida Legislative Session – Look Back at 2017 and Look Ahead to 2018

Rebecca A. O'Hara has over 20 years of experience in legal and governmental consulting, representing both private and public sector clients in local government, health care, environmental, land use and administrative law. As Deputy General Counsel for the Florida League of Cities, Rebecca provides legal counsel and legislative advocacy on variety of municipal issues, and currently staffs the League's Utilities, Natural Resources & Public Works Legislative Policy Committee. Rebecca is a member of Leadership Florida Class XXVIII and graduated with High Honors from the Florida State University College of Law.



Mike Petrovich, Shareholder, Hopping Green & Sams, P.A.

Session: Contaminated Media Forum; 62-780/777, F.A.C., Regulatory Update

Mike is a shareholder with the law firm of Hopping Green & Sams, P.A., located in Tallahassee, Florida. The firm's practice is concentrated in the areas of administrative and governmental law (with an emphasis on environmental and land use law), legislative representation, public infrastructure financing and development, and real estate. With over 27 years of experience in environmental law, Mike represents a variety of industrial clients, including the electric utility and chemical manufacturing industries, primarily focused on solid and hazardous waste, real property contamination and remediation, and storage tank regulatory matters. Since the mid-1990s, Mike has been involved in the majority of significant legislative, rule, and policy changes to these programs in Florida. Mike counsels clients on environmental regulatory compliance issues including permitting and defense of enforcement actions brought by local, state, and federal environmental agencies. Mike has been listed in Best Lawyers In America, Florida Trend's Legal Elite, Florida Super Lawyers, and Chambers USA.

Cindy Phillips, P.E., Senior Program Analyst, Division of Air Resource Management, Fla. Department of Environmental Protection

Session: E-Tools Training

Cindy Phillips is a Professional Engineer currently working as a Senior Program Analyst in the Florida Department of Environmental Protection, Division of Air and Resource Management, Office of Business Planning. Cindy previously served within the Division as the Air Compliance & Enforcement Program Administrator, the manager of the Air Toxics Permitting Unit, and as a special projects engineer. She has also served as an air permit writer and air compliance inspector in the Florida Department of Environmental Regulation Southwest District office, served as the Air Program Manager for the Manatee County Pollution Control Program, and was a project engineer in the phosphate chemicals industry. Cindy has worked on the development of state regulations to implement the federal Title V and New Source Review Reform permitting programs. Other rulemaking projects include revisions to clarify the stationary source emissions monitoring requirements of Chapter 62-297, F.A.C., and revisions to merge the Division's Annual Operation Report form with the Title V Fee form. Her IT development team projects include EPSAP, the online Asbestos Notification System, AIRCOM, and the online Title V Fee invoice system. Cindy is the recipient of three Davis Productivity team commendations, and is a Certified Public Manager and a Florida Certified Contract Manager. She graduated from Georgia Tech with a bachelor's degree in Chemical Engineering, and graduated from Florida State University with a master's degree in Management Information Systems.

Elsa Potts, Industrial Wastewater Program Administrator, Fla. Department of Environmental Protection

Session: NPDES/Water Quality 101

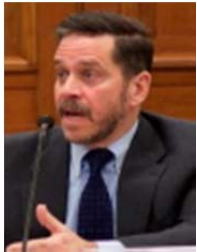
Elsa is a Registered Professional Engineer with over 35 years in the environmental field both in the private and public sectors. She has been a long-standing member of the American Society of Civil Engineers and was recently awarded lifetime membership in that organization. Elsa has been with the Florida Department of Environmental Protection for over 25 years and has served in various capacities including overseeing the Drinking Water, Underground Injection Control, NPDES Stormwater, and the Domestic and Industrial Wastewater programs. She is currently the Program Administrator for the Wastewater and Stormwater Management Program in the Division of Water Resource Management. She works in close coordination with the regulated community in the implementation of the NPDES Program in Florida. Today, she will be presenting on the topic of Water Quality/NPDES 101 with emphasis on Industrial wastewater.



David Read, P.E., Permitting Section Administrator, Division of Air Resource Management, Fla. Department of Environmental Protection

Session: Air Permitting 101

Mr. David Lyle Read has Masters and Bachelors degrees in Civil Engineering from the University of Central Florida and is a licensed professional engineer in Florida. Mr. Read has over 35 years of experience in engineering, research, and computer science, including the last 10 years working for the Florida Department of Environmental Protection (FDEP). Mr. Read for the last 3 ½ years has been the Environmental Administrator managing the air permitting section of the Office of Permitting and Compliance in the Division of Air Resource Management (DARM) of the FDEP. Mr. Read is one of DARM's leading technical experts in PSD permitting and federal New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants.



James "Jim" Roewer, Executive Director, Utility Solid Waste Activities Group

Session: Coal Combustion Residuals Roundtable

Jim is the Executive Director of the Utility Solid Waste Activities Group (USWAG), where he is responsible for overall program management, including the addressing of solid and hazardous waste, and toxic substance issues on behalf of the utility industry, budget development & oversight, and membership marketing & recruitment. Jim has served as the Chairman of ASTM Subcommittee E50.03 on Pollution Prevention/Beneficial Use, and as a member of the Steering Committee of DOE's Combustion Byproducts Research Consortium. Jim has worked as Senior Environmental Manager in the Energy Policy Department of the National Rural Electric Cooperative Association (NRECA); Environmental Scientist in the Natural Resources Section of the Edison Electric Institute; Manager, State and Local Government Relations with the American Society of Mechanical Engineers; and Research Assistant with the Science Unit of the Illinois Legislative Research Service. Jim holds a MS in Environmental Science from the School of Public and Environmental Affairs at Indiana University, and a BA in Biology from Wittenberg University.



Vincent Seibold, P.E., MBA, EHS Manager, MCC Jacksonville, Anheuser-Busch, InBev

Session: Water Supply Management and Sustainability

Mr. Seibold is a highly accomplished professional with an exemplary record of directing complex engineering reviews and leading effective organizations. He is recognized for extensive knowledge and experience in environmental regulatory permitting matters, sustainable practices, and EHS Management. He is currently part of the senior management team as the EHS Manager of Metal Container Corporation - ABInBev. Previously he served for over six years as the Environmental Quality Division Chief for the City of Jacksonville and for 17 years with the Florida Department of Environmental Protection in multiple leadership roles. Mr. Seibold also serves as the current Chairman of the First Coast Manufacturers Association EHS Committee and as Treasurer of the Tree Hill Nature Center, non-profit organization that promotes environmental stewardship and education.



Eric Schwaab, Vice President Conservation Programs, National Fish and Wildlife Foundation

Session: Stakeholder Engagement and Environmental Stewardship

Eric Schwaab is the Vice President of Conservation Programs at the National Fish and Wildlife Foundation, one of the world's leading conservation grant-makers. In this position, he leads development and implementation of the Foundation's national conservation portfolio, which brings together public and private investments to achieve measurable conservation benefit for fish, wildlife and communities across the country. Eric has a long record of conservation success at state, federal and non-profit organizations, including serving in senior leadership positions for the Department of Commerce's National Oceanic and Atmospheric Administration, where he directed the National Marine Fisheries Service, and also served as acting Assistant Secretary for Conservation and Management. Eric has also served as Deputy Secretary of the Maryland Department of Natural Resources; Director of Maryland's Fisheries Service; Director of the Maryland Forest, Wildlife & Heritage Service; Chief Conservation Officer at National Aquarium; and Resource Director for the Association of Fish and Wildlife Agencies, coordinating conservation work on behalf of fish and wildlife agencies across North America.



Scott Sheplak, P.E., Division of Air Resource Management, Fla. Department of Environmental Protection

Session: Air Permitting 101

Scott M. Sheplak graduated from the University of South Florida with a Bachelor of Science degree in Civil (Environmental) Engineering. He is working on his Master of Public Administration degree from Florida State University's Askew School of Public Administration and Policy. He began his career with the State of Florida Department of Environmental Protection's Air Program in the Southwest District Office in Tampa where he worked for 4 years, then made the move to Tallahassee where he continues to work in the Air Program. He managed Florida's Title V Program for about 10 years, overseeing issuance of all initial permits. He is a frequent speaker on air pollution topics and issues. He is a Certified Public Manager and a licensed professional engineer in Florida. He is one of the Founding Directors of the Air & Waste Management Association's (A&WMA) local Big Bend Chapter in Tallahassee. Scott served the local Chapter in various capacities including Chair and has been involved with the Florida Section serving as a Director and as a Continuing Education Coordinator.

Dianne Spingler, Emissions Inventory, Compliance & Enforcement Data Division of Air Resource Management, Fla. Department of Environmental Protection

Session: E-Tools Training

Dianne Spingler graduated from Florida State University with a Bachelor of Science in Biology. She currently works for the Department of Environmental Protection as the Division of Air Resource Management's Emissions Inventory Coordinator, however prior to this spent many years responsible for the Division's Compliance and Enforcement data. Outside of work, she loves spending time with her husband, and walking her gregarious pets, Georgia and Buster.



Chris Teaf, Ph.D, President & Director of Toxicology, HWSMR

Session: Contaminated Media Forum; 62-780/777, F.A.C., Regulatory Update

Dr. Chris Teaf is a Board-certified toxicologist, risk assessor, and public health specialist. Chris has over 35 years of environmental and public health experience specializing in soil, water and air quality, risk assessment, and environmental health issues including metals, petroleum, pesticides, solvents, particulates, and bacteria/molds. His experience includes power generation facilities, manufactured gas plants, industrial facilities, agricultural sites, waste management facilities, educational institutions, and products in general commerce. Chris has directed research or taught many environmental toxicology and risk assessment courses for the private sector as well as for EPA, World Health Organization, U.S. Air Force, ATSDR and numerous state/local agencies. He presently serves as co-Editor-in-Chief for Soil & Sediment Contamination, an international journal, and has served on Technical Advisory Committees for many environmental symposia in the US, Europe and Central Asia in the past 3 decades. Chris has provided toxicology and health testimony for federal and state agencies and state or federal courts for over 30 years.



Dan Thompson, Partner, Berger Singerman, LLP

Session: Federal Legislative, Rulemaking, and Policy Developments

Dan Thompson is Board Certified by The Florida Bar as an expert in State and Federal Government and administrative Practice. He assists clients with governmental regulatory matters, with a particular emphasis on environmental and land use issues. His experience includes licensing, permitting, enforcement, policy development, government contracts, bid disputes and assistance in the transfer and development of environmentally-distressed property. This can involve negotiation, administrative and civil litigation, rulemaking, regulatory due diligence, and appearances before legislative and administrative bodies. Prior to joining Berger Singerman, he held several positions with the Florida Department of Environmental Protection and its predecessor, the Department of Environmental Regulation, including Deputy Secretary and General Counsel. He received his B.A. from Yale University and his J.D., from Florida State University College of Law. He is A-V rated and listed in Chambers, Best Lawyers, and Super Lawyers. Dan has also spoken at numerous seminars offered by The Florida Bar, the American Bar Association, the Florida Chamber of Commerce, and various other professional, trade and other organizations. He is a member of the Board of Directors of The Florida Bar Foundation and Legal Services of North Florida, Inc. He can be reached at dthompson@bergersingerman.com.



Dr. Timothy "Tim" Townsend, Ph.D., Professor of Environmental Engineering, University of Florida

Session: Jeopardy - Current Developments Affecting Solid Waste Management in Florida

Timothy Townsend is a Professor in the Department of Environmental Engineering Sciences in the Engineering School for Sustainable Infrastructure and the Environment at the University of Florida. Dr. Townsend teaches and conducts research related to his specialty, solid and hazardous waste management. His courses cover subjects such as waste management fundamentals, landfill design, recycling, and waste management in developing countries. Much of his research has been supported by the Hinkley Center for Solid and Hazardous Waste Management, which places a strong emphasis on providing practical applied research results to address Florida's solid waste issues. He has published over 150 peer-reviewed journal papers on topics such as bioreactor landfills, construction and demolition debris, waste leaching, beneficial use of solid wastes, and special wastes such as electronic scrap.



Joseph "Joe" Ullo, Director of the Division of Waste Management, Fla. Department of Environmental Protection

Sessions: FDEP Leadership Roundtable; Discovery of Contamination, Release Reporting, and Corrective Measures; Coal Combustion Residuals Roundtable

Joseph Ullo serves as the Florida Department of Environmental Protection's Director of the Division of Waste Management. Joe came to the Department in 2015 following over 20 years of environmental practice and education in both the engineering and legal fields. Between 1994 and 2003, as a professional engineer, Joe oversaw remedial activities at many facilities across Florida. After 2006, he worked as an environmental attorney representing private and public sector clients in all areas of waste management, cleanup, and site redevelopment. Joe received his Bachelor of Civil Engineering from Georgia Tech and he holds a Bachelor of Science from Spring Hill College. Joe received his Master of Science in Civil Engineering and his Juris Doctor from Florida State University. Joe and his wife Anne-Marie live in Tallahassee and are rearing two rambunctious boys - Martin (6) and August (3).



Elizabeth Walker, Data Coordinator, Division of Air Resource Management, Fla. Department of Environmental Protection

Session: E-Tools Training

Elizabeth Walker is the Air Program Data liaison for the Florida Department of Environmental Protection, Division of Air Resource Management (DARM.) She has 23 years of experience with the Air Division's Regulatory Data applications such as Air Permit Document Search, EPSAP, AirInfo, as well as DARM's legacy data system, ARMS.

The 2017 Florida Section A&WMA Student Environmental Challenge

University students, can you solve...

The Environmental Challenge
A Competition for University Students

The Student Challenge

The Environmental Challenge gives student teams the opportunity to develop solutions to an environmental problem and present their solution to a panel of environmental professionals. We are very interested in hearing about how you interpreted the problem, the issues you identified, how you approach the problem, how you get to conclusions, and how well you can communicate and defend your thoughts and position. We want you to learn and have fun! This exercise gives us all a chance to participate and gives the professionals of tomorrow an opportunity to interact with the professionals of today.

The PROBLEM

The Real World

The 1972 amendments to the Federal Water Pollution Control Act added Section 303(d) to the federal Clean Water Act requiring states to establish a total maximum daily load (TMDL) program. The purpose of the TMDL program is to identify surface waters (lakes, streams, estuaries) within a state that are not meeting federally approved state surface water quality standards for a particular pollutant, for example total nitrogen or total phosphorus, and identify steps to reduce pollutant loading to the waterbody until it once again meets applicable water quality standards.

Florida has a sophisticated TMDL program and has adopted a rule (Chapter 62-303, Fla. Admin. Code) designed to identify those waters that do not meet applicable surface water quality standards and are in need of a TMDL. Under the Florida Watershed Restoration Act, Florida's Department of Environmental Protection (FDEP) may create a Basin Management Action Plan (BMAP) to implement a TMDL.

FDEP established a BMAP for the Lower St. Johns River (LSJR) to implement a TMDL to address nitrogen and phosphorus impairment in the LSJR. FDEP adopted a BMAP by formal agency order and assigned wasteload allocations and load allocations to stakeholders participating in the BMAP process. Stakeholders include cities, counties, community development districts, electric utilities, regulated industries (e.g. pulp mills, chemical plants) and large land developers. Local members of national environmental groups and interested citizens routinely attend and participate in FDEP BMAP workshops held by FDEP's BMAP staff.

The Challenge Event

You have been retained by FDEP as a private BMAP facilitator to resolve a serious dispute among the BMAP stakeholders prompted by a new industrial facility having applied for a permit to discharge treated wastewater into the LSJR. The new company, Applied Alchemy Incorporated (AAI) uses state of the art computer assisted industrial processes to convert raw materials and base chemicals to specialty chemicals for private sector and university testing laboratories. To operate, AAI needs to apply for and receive a permit from FDEP under FDEP's EPA-approved NPDES permitting program.

AAI applied for its NPDES permit and disclosed in its permit application that treated wastewater

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from the AAI chemical facility, to be discharged to the LSJR, will include total nitrogen and total phosphorus. As required by FDEP, AAI published notice that FDEP had approved a draft permit finding that AAI had provided reasonable assurance that its discharge would not cause or contribute to violations of surface water standards.

Several stakeholders that have participated in the LSJR BMAP process for a number of years have filed comments objecting to the AAI permit application arguing that all wasteload allocations have been distributed and there are no more slices of nutrient pie to share with a new discharger. AAI has retained B. R. Smith who advised FDEP that he helped write FDEP's surface water quality standards back in 1978 and his client is entitled to an equitable apportionment of the pollution pie under the rule adopted by the old Florida Department of Environmental Regulation. Several environmental groups have filed comments in response to the notice of draft permit arguing that the AAI facility will discharge heavy metals into the LSJR which will bioaccumulate in fish and increase the risk of cancer in individuals that rely on fish from the river as a large part of their diet. FDEP has asked you to prepare a white paper summarizing the issues and advising FDEP staff whether it is technically and legally feasible to approve the AAI permit to discharge into the LSJR in light of the TMDL and BMAP.

To learn more about the competition, go to: www.flawma.com

Student Teams will present at the 2017 Conference during the 2:00 p.m. break on Wednesday, October 25th.

Proposal Title/University/Team Name	Presenters
<i>Environmental Assessment of Effluent Discharge in Lower St. Johns River</i> University of Florida The Waste Negators Team	Christopher Cuevas, Environmental Lawyer Mayuko Mizutani, Biological Engineer Meg Simms, Public Health Advisor Sharez Sohail, Economic Advisor Tahmid Ibnat, Senior Environmental Engineer
<i>A White Paper to Address Nutrient Loading Issues in the Lower St. Johns River</i> University of Florida K2NM2J Team	Naomi Senehi, Senior Environmental Engineer Michael Jorell Reyes, BMAP Facilitator Josue Rivera, Legal Expert Nicola Steelnack, Environmental Health & Safety Director Katie Krigbaum, Senior Environmental Sociologist
<i>Environmental Challenge Proposal</i> Florida International University FIU Team	John Quintero, Attorney Luis Arispe, Engineer Edward Ibarra, BMAP Facilitator Brian Flowers, NPDES Permitting Representative Sarah Solomon, St. John's River Representative Olga Mikhalchishina, Community/Economics Representative

2017 Student Poster Summary

University/college students were invited to submit abstracts on topics of environmental interest for presentation at the Student Poster Session during the Florida Air & Waste Management Association's 53rd Annual Conference and Exhibition (ACE). The following posters will be presented during the ACE. The competition judging will take place presented and judged during the 9:45 a.m. break on Wednesday, October 25th, during the technical session break.

No.	Presenter	Title	University
1	Christopher Cuevas <i>Undergraduate</i>	Outcomes of Recent Public Renewable Energy Policies in the City of Gainesville, FL	UF
2	Kristen Croft <i>Undergraduate</i>	Determining mass release of heavy metals from the co-disposal of coal combustion ash in an MSW landfill	UF
3	Jiva Luthra <i>Graduate</i>	Determining the Mass Deposition of Aerosols in a Growth Tube Collector	UF
4	Kalaiivanan Murthy <i>Graduate</i>	Pairwise Comparison of Daily Ozone Concentration in Tampa - St.Petersburg Region - A statistical examination of ozone variation between days	UF



The Air & Waste Management Association (A&WMA) is a nonprofit, nonpartisan professional organization that enhances knowledge and expertise by providing a neutral forum for information exchange, professional development, networking opportunities, public education, and outreach to more than 5,000 environmental professionals in 65 countries. A&WMA promotes global environmental responsibility and increases the effectiveness of organizations to make critical decisions that benefit society.

The **Mission** of A&WMA is to facilitate the exchange of technical and regulatory information among environmental professionals for the purpose of improving and/or sustaining a high quality environment in Florida, to provide education and training to our members and to the public with regard to our areas of expertise in environmental issues, and to encourage interaction of members, and further the objectives of the International A&WMA.

A&WMA has two monthly publications, *The Journal of the Air & Waste Management Association*, the oldest continuously published, peer-reviewed, technical environmental journal in the world, and *EM*, a magazine for environmental managers. These publications help members meet their professional goals by providing timely and reliable environmental information.

Our 2017 Goals are:

- Promote information sharing
- Grow Florida Section membership
- Increase revenue to support new programs & scholarships
- Energize Florida Chapters – Leadership Support
- Encourage member involvement
- Promote Student Chapters & YP development
- Sponsor leadership training
- Develop Chapter Websites

The Association offers a series of conferences, workshops, webinars, and courses to keep members up-to-date on new developments in the profession. A&WMA's Annual Conference and Exhibition brings environmental professionals from around the world to hear technical papers on cutting-edge topics and to interact with exhibiting business and organizations demonstrating the latest environmental products and services. Through its programming A&WMA strives to address top environmental issues, offer access to leading subject experts, and maintain a neutral forum for information exchange.

Visit www.AWMA.org for membership and details for getting involved.



53rd Annual Conference

Florida Section A&WMA Business Meeting

During this year’s business meeting we will be voting in a new slate of officers for 2018/2019. Please take a moment to review the ballot below prior to the business meeting.

2018-2019 BALLOT

SLATE OFFICERS/BOARD MEMBERS FOR 2015-2016			
Director/Officer Name	Term	Director/Officer Name	Term
Susan Butler-Kennedy, Chair	2018-19	Manitia Moultrie, Vice Chair	2018-19
Christina Akly, Secretary/Treasurer	2018-19	Liz Foeller, Immediate Past Chair and Executive Secretary	2018-19
Joe Applegate, Director	2018-20	Paula Cobb, Director	2016-18
Julianna Duckworth, Director	2018-20	Byron Burrows, Director	2016-18
Kevin Holbrooks, Director	2018-20	Jill Johnson, Director	2018-20
Upasna Rai, Education Director	2016-18		

Shaded positions are subject to election at the Section Business Meeting.

Nominations will also be accepted for these positions from the floor.

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comprise an integrated network of professionals in over 38 offices in the United States, Latin America, Europe, the Middle East and Asia, including seven offices in Florida. Our team is nationally recognized for experience in a number of areas, including permitting, auditing and compliance, brownfield development and risk transfer, natural resources, Native American law, and a broad range of environmental, toxic tort, and government enforcement litigation (administrative, civil, and criminal). GT regularly assists clients with a broad variety of land development issues, including navigating the complexities of Florida's growth management laws and policies. The firm's environmental professionals work closely with the firm's land development, real estate, corporate, energy, and other transactional lawyers and have significant experience in key industry sectors, including: mining, oil and gas, transportation, waste management, electricity generation, clean technology, pulp and paper, steel and other metals, chemicals, pharmaceuticals, and real estate. GT's results-oriented and practical approach to problem solving has led major national companies and other organizations to entrust the firm with their most challenging environmental and land development matters. For additional information, please visit www.gtlaw.com.



WASTE MANAGEMENT is the largest environmental solutions provider in North America, serving more than 20 million customers in the U.S. and Canada. As part of our strategy, we are committed to developing new waste solutions that can help communities and organizations achieve their green goals, including zero waste.

With the largest network of recycling facilities, transfer stations and landfills in the industry, or entire business can adapt to meet the needs of every district customer group. www.WM.com

Legal Counsel on Today's Cutting-Edge Environmental Issues.

Greenberg Traurig's Environmental Practice brings together legal, legislative, and industry professionals from the United States and across the globe to represent clients in transactions, regulatory matters, administrative proceedings, and litigation. Members of our team have prior government agency experience, enabling us to provide additional insights into the regulatory process. We understand that difficult business challenges require innovative strategies – whether we are defending a “bet-the-company” lawsuit or handling an environmentally sensitive transaction.

Regulatory Challenges – The changing regulatory environment has created numerous challenges and opportunities for various sectors. We work with clients to assess the impacts of changing regulations and to challenge regulations where appropriate. We also assist in ensuring compliance with regulatory programs, such as by determining whether a permit is required, its terms and conditions, and what other legal requirements apply.

Litigation and Enforcement – Governments, environmental groups, toxic tort plaintiffs, and other claimants are continuing to become increasingly aggressive using the National Environmental Policy Act (NEPA) and other environmental statutes to attempt to challenge various regulatory proceedings. Companies, property owners, and others must defend enforcement actions and regulatory challenges under environmental statutes, including in cleanup, enforcement, natural resource damage, property damage, personal injury, and medical monitoring litigation arising from chemical releases and other environmental conditions.

Brownfields, Insurance and Liability Transfer – In the current economy, insurance product pricing may make offloading environmental liabilities attractive to many businesses – possibly allowing removal of contingent liabilities from a company's balance sheet. Brownfields transactions often require complex, multidimensional negotiations with property owners, government agencies, insurers, lenders, prospective purchasers, tenants, and zoning authorities.

Energy (Utilities, Oil and Gas, and Renewables) – Energy policy and development is now a major U.S. focus. Traditional, renewable, and clean technology energy projects present significant opportunities and challenges. We represent clients in permitting and enforcement matters, including Clean Air Act and Clean Water Act proceedings; land and mineral rights matters; power plant sitings; and securing environmental permits, permit transfers, and rate regulatory commission approvals.

Superfund Defenses – Recent Supreme Court decisions have led lower courts to examine whether liability for contamination under the federal Superfund statute is always easy to impose and whether such liability is joint and several. Other decisions suggest that simply counting up tons of waste might not be the right way to allocate responsibility among those liable. Coupled with interest at EPA, it is important for companies to re-evaluate their inventory of potential liabilities and to pursue the new legal theories aggressively.

Accidents, Spills, and Catastrophes – Recent events bring home what our clients have been learning recently: they must be prepared for accidents and releases. Government cleanup claims are only part of the challenge. Attendant tort claims, actions by some states, and citizen suits have become increasingly important. These concerns apply to releases to groundwater, surface water, soil, and air.

For updates on the latest developments in these and other areas of environmental law, visit the **GT E2 Law Blog** at EnvironmentalAndEnergyLawBlog.com

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Waste Management Florida Area

Waste Management's Florida Area provides collection, recycling, transfer and disposal service to municipal, commercial, industrial and residential customers throughout the State of Florida (except for the Panhandle region) and a portion of south Georgia. Our 3,500 employees operate 20 hauling facilities, 14 landfills, 26 transfer stations, five Material Recovery Facilities, five C & D recycling centers and one organics recycling facility. As one of the nation's leading environmental services provider, we are proud to provide our customers with safe, professional service every day. We are also committed to enhancing the communities where we work and live, as well as acting as stewards for the environment.

Statewide, Waste Management is leading the way in:

Compressed Natural Gas (CNG) Fleet and Fueling Stations

Waste Management not only works to pick up today's trash and recycling, but is helping to build a more environmentally sound and sustainable future as well. To help meet a company-wide sustainability goal as well as to reduce air pollution in Florida, the company has 475 trucks that run on compressed natural gas (CNG), a much cleaner burning alternative to gasoline or diesel fuel. Waste Management has the largest fleet of CNG trucks nationwide and in Florida among all companies in the



waste industry. Our CNG trucks emit nearly zero particulate emissions, cut greenhouse gas emissions by more than 20 percent and are far quieter in the communities we serve.

In order to fuel its trucks, WM has a CNG Clean N' Green Fueling Station in Pompano Beach. The fueling station is also making CNG available to commercial fleets—transit agencies, school districts, taxis, cities, and municipalities—as well as corporate CNG-equipped vehicles. Waste Management has also financed and constructed additional slow fill CNG fuel stations in Boynton Beach, Cocoa, Fort Walton Beach, Medley, Naples, Tampa, Venice, Vero Beach and West Melbourne. To date, Waste Management has invested more than \$100 million in CNG trucks and fueling stations in Florida alone.



Single-Stream Recycling

As North America's largest residential recycler, Waste Management is committed to making sure we extract the value from the materials we manage and that "waste no longer goes to waste." Last year, the company recycled 14 million tons of material. The recycling of paper alone (cardboard, newspaper and office paper) saved more than 110 million mature trees.

Waste Management has 100 Material Recovery Facilities nationwide, including five in Florida. In 2016, we processed more than 500,000 tons of recyclables in Florida alone.

Awards and Honors

Sustainable Florida has honored Waste Management with "Best Practices" Awards for its Organics Recycling program as well as its investment in its CNG Fleet and Fueling Stations.

Waste Management has also been recognized by the Ethisphere Institute as one of the 2016 World's Most Ethical Companies. Ethisphere is a leading international organization dedicated to the creation, advancement and sharing of best practices in business ethics, governance, anti-corruption and sustainability.



This is the ninth year the company has been honored for upholding the highest of ethical standards. Waste Management was chosen for its strong corporate culture focused on deep commitments to environmental sustainability, ethics and communities and setting and achieving ambitious sustainability goals.

A leading hirer of Veterans, Waste Management has been honored as "Best for Vets" by Military Times (2010-2016) and a "Top 100 Military Friendly Employer by GI Jobs (2010 – 2016). Corporate Social Responsibility Magazine has also named Waste Management among its "100 Best Corporate Citizens" the past two years.

To learn more about Waste Management's dedication to Sustainability and Visionary Industry Leadership, download our 2016 Sustainability Report: <https://sustainability.wm.com>.



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studies and cleanup; infrastructure assessment, engineering, and design; environmental, health, and safety management; natural resources assessment and restoration; and structural extreme load analyses, fluid dynamics, and risk mitigation services. Our firm's practitioners deliver advanced solutions throughout the United States and at select locations in Australia, Canada, Ireland, Malaysia, and the United Kingdom. Geosyntec was founded in Florida, where the firm maintains eight offices, including its corporate operations team. Most of Geosyntec's Florida practitioners have spent the majority of their career in the state. They have provided strategic counsel to officials with the Florida Department of Environmental Protection (FDEP); National Aeronautics and Space Administration (NASA), Region IV of the U.S. Environmental Protection Agency (USEPA); the Florida water management districts; and the Jacksonville District of the U.S. Army Corp of Engineers (USACE), among many others. www.geosyntec.com

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HOPPING GREEN & SAMS, P.A. is a Tallahassee, Florida based firm representing clients statewide primarily in the area of governmental law. Its attorneys have assisted clients at federal, state, regional, and local levels in all areas of environmental and land use regulation and litigation including: solid and hazardous waste, comprehensive planning, DRIs, property rights litigation, toxic substances, wetland, water use, sovereign submerged lands, air emissions, underground injection control, oil and gas exploration, endangered species, industrial wastewater, domestic wastewater, stormwater and potable water. Hopping Green & Sams also represents clients in matters relating to state and local tax, business and insurance regulation, and community development districts. Hopping Green & Sams maintains an active lobbying practice representing clients before the Florida Legislature, state agencies, the governor and Cabinet. hgslaw.com

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concepts behind visible emissions observations and certification testing. By teaching the concepts, the certification process is made easy, and the observations definitive and defensible. www.compliance-assurance.com



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HSWMR

Hazardous Substance & Waste Management Research, Inc.

HAZARDOUS SUBSTANCE & WASTE MANAGEMENT RESEARCH, INC. (HSWMR) is a consulting firm that

specializes in providing scientific consultation, as well as solving problems and providing practical solutions in the areas of toxicology, health risk assessment, risk communication, environmental issues, and occupational health/safety. www.hswmr.com.



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The **MOSAIC COMPANY** is the world's leading producer and marketer of concentrated phosphate and potash crop nutrients. We are the largest integrated phosphate producer in the world and one of the largest producers and marketers of phosphate-based animal feed ingredients in North America. We are one of the four largest potash producers in the world. Through our broad product offering, we are a single source supplier of phosphate- and potash-based crop nutrients and animal feed ingredients. We serve customers in approximately 40 countries. We mine phosphate rock in Florida and process rock into finished phosphate products at facilities in Florida and Louisiana. We mine potash in Saskatchewan and New Mexico. We have other production, blending or distribution operations in Brazil, China, India and Paraguay, as well as strategic equity investments in a phosphate rock mine in the Bayovar region in Peru and a joint venture formed to develop a phosphate rock mine and chemical complexes in the Kingdom of Saudi Arabia. Our distribution operations serve the top four nutrient-consuming countries in the world: China, India, the United States and Brazil. We are publicly traded on the New York Stock Exchange under the ticker symbol "MOS" and are headquartered in Plymouth, Minnesota. www.mosaicco.com



SPECTRUM SYSTEMS, INC., provides industry leading continuous emissions monitoring (CEM) solutions. www.spectrumsystems.com



TERRACON, one of the premier consulting engineering firms in the United States (U.S.), is a 100 percent employee-owned company that has been providing quality services to clients since 1965. Since its inception, Terracon has evolved into a successful multi-disciplinary firm, combining environmental services with grass roots geotechnical and materials testing services and cutting edge facilities services.

The firm's continued success is further evidenced by a current ranking of 30 in Engineering News-Record's (ENR's) 2017 listing of the Top 500 Design Firms, as compared to a ranking of 54 a decade ago. With more than 4,000 employee-owners in approximately 140 offices across the U.S., Terracon has the resources of a large firm with the atmosphere of a small one. Our Florida operation includes a 12-office network with more than 300 employees. www.terracon.com



TESTAMERICA LABORATORIES, INC. is recognized as the leading environmental testing firm in the United States. Operations include a nationwide network of over 80 locations delivering innovative technical expertise and comprehensive analytical testing services. To view a map of our nationwide footprint, please download our Analytical Map. Through continued investment in people, technology, capital equipment and infrastructure, TestAmerica is well positioned to support clients in both the public and private sector. Whether it is the Department of Defense, Department of Energy, Industry or the consulting and engineering firms that support them, TestAmerica has unique and innovative solutions to address the most challenging opportunities. www.testamericainc.com



TRINITY ANALYSIS & DEVELOPMENT CORP is a full service environmental, geological, and engineering consulting firm, with our headquarters located in Shalimar, Florida. TRINITY is committed to providing high quality and responsive service to our customers. TRINITY is an SBA 8(a)-certified Small Disadvantaged Business (SDB), as well as a certified Minority Business Enterprise (MBE) for the state of Florida. Our success at the local level has resulted in corporate growth and provided additional

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opportunities to support clients throughout the Southeast and the Midwest. We are committed to the community in which we work and live. This includes providing service to private and public entities in the local area, nearby municipalities, and neighboring counties. We also support the Department of Defense on both the local and national levels. We are building on our reputation as a high quality, technically accurate and responsive firm that teams with our clients to become an extension of their business. We embrace the opportunity to work alongside our clients in a relationship driven dynamic to solve their challenges by providing sound technical solutions and exceptional customer service. trinityadc.com



TRINITY CONSULTANTS For over 40 years, Trinity Consultants has assisted organizations with environmental regulatory permitting and compliance challenges, specializing in air quality issues (experts in air permitting and the go-to firm for dispersion modeling). Trinity places a great emphasis on hiring and developing the most talented environmental professionals to deliver accurate, thorough, and consistent compliance assistance. Our network of environmental experts spans North America and includes teams in China, the Middle East, and the United Kingdom. With such a broad footprint, Trinity is able to serve a variety of clients with robust solutions based on the international forefront of environmental permitting and compliance strategy. By maintaining local offices in Florida with staff intimately engaged with DEP in Tallahassee, each district, and all local agencies, Trinity can combine national experience with local insight and relationships. Trinity provides innovative, cost effective solutions in the areas of air permitting and regulatory compliance, sustainability and environmental management, greenhouse gas reporting and strategy, air dispersion modeling, EH&S auditing, toxicology & industrial hygiene, and EH&S information management. Trinity's also provides extensive professional training on environmental topics, environmental modeling software, and environmental staffing services. www.trinityconsultants.com.



VIM TECHNOLOGIES VIM Technologies is the established leader in innovative air compliance data acquisition software solutions serving all industries impacted by USEPA regulations. Our innovative data acquisition product coupled with our commitment to service provides a superior end user experience, simplifying the data collection and emissions reporting process. *CEMLink* is your link to compliance. www.vimtechnologies.com

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KOOGLER AND ASSOCIATES, INC was established in 1974, Koogler and Associates, Inc. provides professional consulting and engineering services focused on air pollution related matters including permitting, testing/monitoring, and expert witnessing. In addition, Koogler provides a broad range of other environmental services. The firm provides environmental services throughout the United States, with a principal focus on the southeastern U.S. www.kooglerassociates.com



SUGAR CANE GROWERS COOPERATIVE OF FLORIDA is a vertically integrated agricultural enterprise bringing sugar from Florida's cane fields to dinner tables, restaurants, and food manufacturing facilities throughout the United States and around the globe.

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The Cooperative is composed of 46 small-to-medium size grower-members who produce sugarcane on approximately 65,000 acres of what is among the most fertile and productive farmland in America. The primary functions of the Cooperative are the harvesting, transporting and processing of sugarcane and the marketing of raw sugar to American Sugar Refining, Inc. The Cooperative produces more than 300,000 tons of raw sugar annually.

The Cooperative jointly owns with its partner, Florida Crystals Corporation, the largest cane refining company in the world, American Sugar Refining, Inc. (ASR). The refining operation spans across North America and Europe consisting of eight sugar refineries located in five countries. ASR markets under the premier brand names of Domino®, C&H®, Redpath®, Tate & Lyle®, Lyles Golden Syrup®, Sidul® and Sores®. www.scgc.org



TECO ENERGY is built on a foundation of more than 100 years of history. We incorporate the strengths of three businesses and support services to work together as one united company. In the spirit of coming together, we have chosen to reinforce the values that unify our companies. We believe that by agreeing on, practicing and reinforcing these values at all levels, we will become a stronger and more unified organization. TECO is proud to be a subsidiary of Emera Inc., a geographically diverse energy and services company headquartered in Halifax, Nova Scotia, Canada. The company invests in electricity generation, transmission and distribution, as well as gas transmission and utility energy services with a strategic focus on transformation from high carbon to low carbon energy sources. Emera has investments throughout North America and in four Caribbean countries. At Tampa Electric's internationally renowned Manatee Viewing Center, more than 4 million people have come to experience a unique slice of natural Florida, enjoy environmental education and see manatees up close in the clean, warm water discharge canal of our Big Bend Power Station – the site of numerous emissions reduction upgrades. www.tampaelectric.com



WALT DISNEY COMPANY, together with its subsidiaries and affiliates, is a leading diversified internal family entertainment and media enterprise with five business segments: media networks, parks and resorts, studio entertainment, consumer products and interactive media. www.disney.com

**2017 Florida A&WMA Annual Meeting
Pre-Conference Tours of the Florida Capitol Buildings**

**MODERN AND HISTORIC
FLORIDA CAPITOL TOURS
TUESDAY , OCTOBER 24TH**



**MODERN FLORIDA CAPITOL
TOUR—11 A.M.
MEET AT THE CAPITOL
WELCOME CENTER**



**DOLPHIN
ENTRANCE**

HISTORIC FLORIDA CAPITOL TOUR— 3 P.M.

**MEET AT THE RECEPTION DESK
COURTYARD ENTRANCE**



GRAND STAIRCASE



2017 Florida A&WMA Annual Meeting Young Professionals Event at Harry's Seafood Bar & Grill



Florida Section
AIR & WASTE MANAGEMENT
ASSOCIATION



YP Networking Happy Hour

Join us for the Annual Young Professional Networking Happy Hour on Tuesday, October 24th from 5:00pm- 7:00pm at Harry's Seafood Bar & Grill in Tallahassee!



All YPs and YPs-at-heart are welcome to attend!

YPs get a free drink ticket

Light appetizers will be provided

For questions contact:
Christina.Akly@fpl.com
(352) 562- 9524

Harry's Seafood Bar & Grille
301 S Bronough St.
Tallahassee, FL 32301



**2017 Florida A&WMA Annual Meeting
5K Run at Cascades Park**



First Annual

5K

**RUN
2017
WALK**

Thursday, October 26th 2017

7:00 a.m. at Cascades Trail at Intersection of W. Van Buren and South Adams
(Map on next page includes walking directions, event parking, & run route)

7:30 a.m. Run/Walk Starts

Trail around Cascades Park

First 10 people to register will receive a commemorative hat!

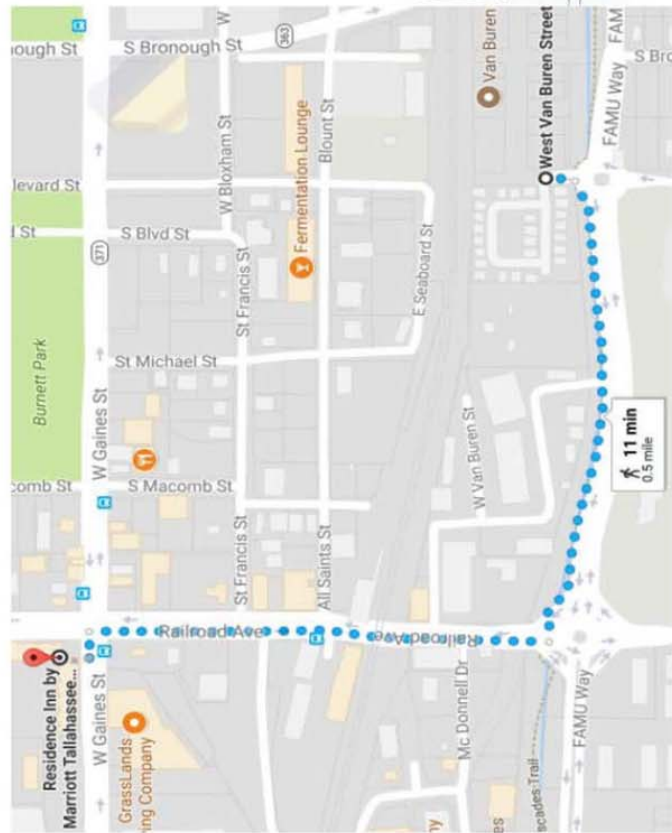
Registration Fee: \$20 (\$10 for students)

Proceeds will help fund Young Professionals events

Contact Info: Christina.Akly@fpl.com / (352) 562-9524

Cascades Park

- Directions via Railroad Ave & Capital Cascades Trail**
- Residence Inn by Marriott Tallahassee Universities at the Capitol**
- Head east on W Gaines St toward Railroad Ave (79 ft)**
- Turn right onto Railroad Ave (0.2 mi)**
- Turn left onto Capital Cascades Trail (0.3 mi)**
- Turn left onto S Martin Luther King Jr Blvd (82 ft)**
- Arrive at W Van Buren St & S Adams St**



LEGEND

- 1 Smokely Hollow Commemoration
- 2 Capital Cascades Trail
- 3 History Monuments
- 4 Smokely Hollow Pond
- 5 Koreem War Memorial
- 6 Historic Smokely Hollow Barber Shop
- 7 St. Augustine Branch Stream Restoration
- 8 Discovery Garden
- 9 Meridian Plaza Signature Bridges
- 10 Capital City Amphitheater
- 11 Meridian Plaza
- 12 Cascades Fountain
- 13 Imagination Fountain
- 14 Historic Electric Building
- 15 Centennial Field Commemoration
- 16 Boca Chuba Pond
- 17 Historic Castenoid Field Wall
- 18 Capital Cascades Pedestrian Bridge
- 19 Pensacola/Meridian Gate
- 20 Lafayette Gate
- 21 Gaines/Meridian Gate
- 22 Myers Park Gate
- 23 Blakely/Golden Gate
- 24 Sweeney/Golden Gate
- 25 South Monroe Gate
- 26 Blakham Gate
- Handicap Accessible Routes
- Stairs

PARK HOURS
Sunrise to sunset
except in lighted
areas and during
permitted events

PARK RULES
Defacing property,
littering, swimming,
unauthorized vendors
and unleashed dogs
are prohibited.

Meet up at W. Van Buren & S. Adams St. Start Run here

Onsite parking enter from S. Gadsden St.

**2017 Florida A&WMA Annual Meeting
Student - Mentor Breakfast**

Join us for our **FIRST**

Student-Mentor Breakfast!!

What is it?

On Thursday, October 26, a student will get paired with an experienced professional to spend 40 min enjoying breakfast, sharing experiences and networking.

➤ *If you are a student or young professional...*

You'll have the opportunity to network and be mentored by an experienced professional.

➤ *If you are an experienced professional...*

This is a great opportunity to connect with the industry's next generation of rising stars.

Sign up to be either a **mentor** or a **mentee** by emailing Christina.Akly@fpl.com



Help us make our first networking breakfast a success!!
(There is no cost to participate. Breakfast will be provided 8-9am)

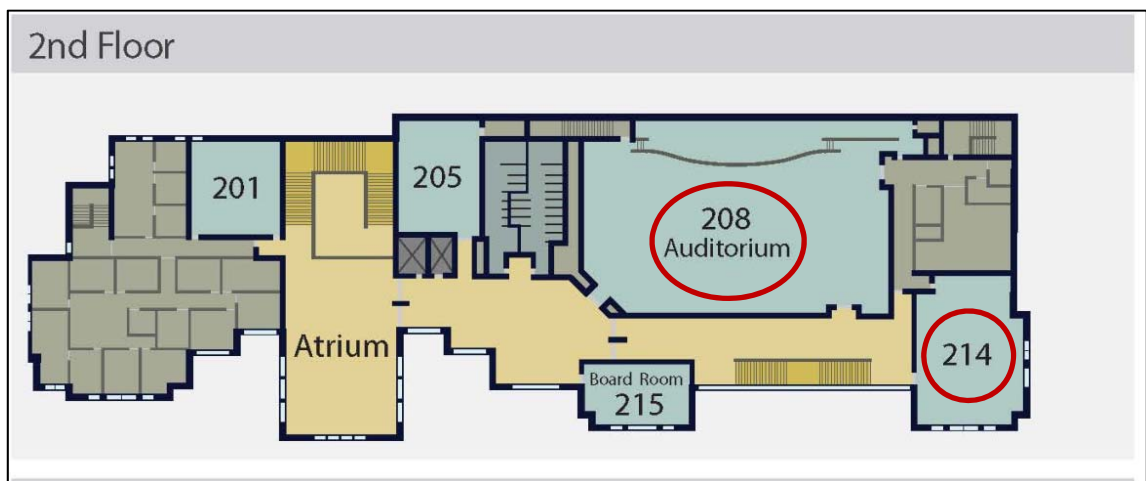
Welcome to the *Augustus B. Turnbull* - Florida State Conference Center!

555 W. Pensacola Street, Tallahassee, FL (<http://conference.fsu.edu/>)

PARKING: Complementary parking is available on Levels 1 & 2 of the St. Augustine Parking Garage located adjacent to the Conference Center. A parking attendant will assist between 7:30 am and 9:30 am.

NOTE: event reserved parking is available only between 7:30 am and 9:30 am, after which the garage is open to student parking. Attendees who arrive after this time are responsible for securing their vehicles at metered visitor parking on level 1 or by purchasing a parking pass from Office of Parking Services. Parking of floors other than 1 & 2 may result in a parking citation.

WIRELESS ACCESS: FSUGuest is the university's guest Wi-Fi network. Connect to FSUGuest to access public Wi-Fi while on FSU's main campus. Choose FSUGuest from the list of available networks. Open a Web browser, click the Guest Registration button, and you will be directed to a guest registration page. Upon registration, guest Wi-Fi is available immediately, and access is valid for one day. Guests can access Wi-Fi on multiple devices, and there is no limit to the number of times a visitor can register. FSUGuest is a local area network, and connectivity is available in many classrooms, conference rooms, auditoriums and other public areas on the main campus.



Accommodations: Residence Inn Tallahassee Universities at the Capitol

Check-in 4:00 P.M. -- **Check-out** 11:00 A.M.

Hotel Shuttle: Hours: 8:00 A.M. – 10:00 P.M. For the hotel shuttle to the Tallahassee Regional Airport, call: (850) 329-9080.

Breakfast hours: M-F 6:30 A.M. – 9:30 A.M.: S-S 7:00 A.M. – 10:00 A.M.

The Mix hours: M-T-W 6:00 P.M. – 7:30 P.M.

Parking: The daily parking fee is waived for this event



“Capitols”

Credit: Roger Raeppe

Artist’s Statement

I enjoy experimenting with different subjects and different genre, different styles and different processes, different cameras and different accessories. For me photography encourages the fun of exploring and discovering new ways to relate to and reveal a subject or a feeling.

The joy of searching for the new subject or new location is refreshing and invigorating and I try, many times unsuccessfully, to interpret rather than record what I find.

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