



The Droplet

Florida Water Environment Association
Integrated Water Resources Committee

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Committee News & Information

The FWEA Integrated Water Resources Committee is organizing a water resources conference on January 26, 2012 in Orlando, Florida. The conference will focus on all the different aspects of water resources including policy, engineering and modeling. For this edition of the newsletter, we will focus on the upcoming conference highlighting the topics that will be taken up at the conference and featuring some of the speakers at the conference.

We are always looking for feedback from our readers regarding topics that are of interest to you, topics that you would like to be discussed in the newsletter in an upcoming issue or any general comment about the newsletter. Please email us your thoughts on the newsletter. To become an official sponsor of *The Droplet* or to consider becoming a member of the IWRC, please visit our website at <http://www.fwea.org/> or email Saurabh Srivastava at Srivastava@pbworld.com.

INTEGRATED WATER RESOURCES CONFERENCE

Location: Wyndham Resort, Orlando, Florida

Date: January 26, 2012

Time: 8:30 am – 5:00 pm

The Integrated Water Resources Committee is organizing a one-day conference on Thursday, January 26, 2012 at the Wyndham Resort in Orlando, Florida. The focus of this conference will be on some of the current issues related to the water resources profession such as low impact development/ green infrastructure, nutrient management, stormwater controls, state of Florida's regulations and much more. At this conference you can have the opportunity to hear from over 10 very highly distinguished and respected water resources professionals in Florida. The conference will include presentations and talks on specific topics and a panel discussion at the end of the conference. A brief bio of some of the speakers at the conference and the conference agenda is provided later in this newsletter.

The conference will attract water resource engineers and professionals and can be an excellent networking opportunity. The conference will also include exhibition space for sponsors including booths. *Attendees can earn 5 PDH credits for the conference.*

FWEA Blog: Another exciting thing about the conference is that FWEA has set up a separate blog for the conference which offers up to the minute information leading up the conference and post-conference highlights only for attendees. We will publish conference highlights online during and after the conference to ensure you the most information for your conference dollar. <http://fweablog.com/iwrc/>

For more information or questions about the conference please contact Leslie Turner at TurnerLA@cdm.com

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Speakers at the IWRC Conference

Bob Pitt, Ph.D., P.E., D.WRE: Dr. Pitt is a national expert on stormwater with more than 100 publications, including journal articles, research reports, and several books. He has also served on numerous professional committees in the U.S. and abroad. Dr. Pitt is currently the Cudworth Professor of Urban Water Systems at the University of Alabama. Dr. Pitt's teaching and research interests focus mostly on the fates and effects of urban wet weather flows and their controls, especially the integration of the components of urban water systems and water conservation.

Rajaraman "Jay" Jayakrishnan, Ph.D., P.E.: Dr. Jayakrishnan is a senior water resources engineer and project manager with sixteen years experience in hydrologic and hydraulic modeling, development of watershed management plans, stormwater management system design, and environmental resource permitting. His expertise is in solving complex water resources problems for governmental clients, and in developing proposed solutions from initial concepts to final design plans, construction specifications, and regulatory approvals. His experience includes the application of hydrologic and hydraulic modeling programs and techniques to several watersheds/ river basins in southwest Florida and Texas and development or update of comprehensive watershed management master plans.

Jeff Herr, P.E., D.WRE: Jeff has over 28 years of experience in surface water quality assessment and restoration; watershed pollutant loading; evaluation of impaired waters and Total Maximum Daily Loads (TMDLs); design of stormwater best management practices (BMPs); stormwater treatment systems including design criteria and O&M. Jeff has been responsible for completing over 160 stormwater projects for public, private and regulatory entities to reduce non-point source pollutant loads to natural systems including chemical treatment, wetland treatment, and low impact development practices. He is a National Stormwater Leader for Brown and Caldwell, and provides technical leadership for watershed and stormwater management projects throughout Florida and the US.

Scott Hagen, Ph.D., P.E.: Dr. Hagen is an Associate Professor of Civil and Environmental Engineering at University of Central Florida. Dr. Hagen is also the Director of the Coastal Hydrosociences Analysis Modeling and Predictive Simulations (CHAMPS) laboratory at the University of Florida. The primary research goal of the CHAMPS lab is to incorporate the physical system and associated processes into computer modeling and simulation approach in order to better analyze and understand coastal hydrosocience.

Mike Schmidt, P.E., BCEE: Mike is a Vice President with CDM, and he has more than 27 years experience in integrated water resource, watershed, and stormwater needs assessment, master planning, modeling, research, facilities design, permitting, data management, project and model implementation, training, peer review, and public information. He has managed or directed more than 130 stormwater and water resource programs in 25 States and Puerto Rico. He has developed, calibrated, and applied hydrologic, hydraulic, reservoir operations, water quality, and Best Management Practice (BMP) models for assessments and capital improvement program (CIP) development for these programs.

Chuck Drake, P.G., CPG: Chuck is a Vice President with Tetra Tech, Inc., and has 29 years of responsible hydrogeologic experience in wellfield design and construction, wellfield impact analysis, water use permitting, wetland hydrology, effluent disposal pond design and capacity analysis, mechanical integrity tests of injection wells.

Justin Gregory: Justin is a Project Manager with Jones Edmunds and Associates. He has been the project manager on the Sarasota and Duval County LID Manuals and peer reviewed multiple

Calendar of Events

<i>Date</i>	<i>Description</i>
January 10, 2012	IWRC Meeting Teleconference
January 26, 2012	IWRC Conference, Orlando FL
February 7, 2012	IWRC Meeting Teleconference
March 6, 2012	IWRC Meeting Teleconference

IWRC Conference Agenda

7:00 AM to 7:30 AM	Exhibitor Set-up	
7:30 AM to 8:30 AM	Registration	Coffee/Danish
8:30 AM to 9:15 AM	Key Note Speaker	
9:15 AM to 10:15 AM	Water Quality Objectives and Failure Modes of Green Infrastructure Stormwater Component	Bob Pitt, Ph.D., P.E., BCEE, D. WRE, <i>University of Alabama</i>
10:15 AM to 10:45 AM	Break/Exhibit Hall	Sodas/Water
10:45 AM to 11:15 AM	Implementing Low Impact Development in Florida	Justin Gregory, <i>Jones Edmonds</i>
11:15 AM to 11:45 AM	Large Scale Hydrodynamic Studies in the Northern Gulf of Mexico	Scott Hagen, Ph.D., P.E., <i>University of Central Florida</i>
11:45 AM to 11:50 AM	IWRC Summary	Leslie Turner, P.E., BCEE, CDM
11:50 AM to 1:00 PM	Lunch/Exhibit Hall	Meal
1:00 PM to 1:30 PM	Nutrient Management in Watersheds: Water Quality/Nutrient Perspective	Jeff Herr, P.E., D.WRE, <i>Brown and Caldwell</i>
1:30 PM to 2:00 PM	Integrated Solutions for Nutrient Management in Watersheds	Mike Schmidt, P.E., BCEE, CDM
2:00 PM to 2:30 PM	Break/Exhibit Hall	Sodas/Water/Cookies
2:30 PM to 3:00 PM	Lake Management Alternatives Analysis Using a Continuous Simulation Watershed Model developed from a Single-Event Model	Jay Jayakrishnan, PhD, P.E., <i>Interflow Engineering</i>
3:00 PM to 3:30 PM	Emerging Water Policy in Florida	Chuck Drake, P.G., CPG, <i>Tetra Tech/SJRWMD</i>
3:30 PM to 3:45 PM	Break	
3:45 PM to 5:00 PM	Panel Discussion	To be determined

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Officer Contact Information

Chair: Leslie Turner
turnerla@cdm.com

Vice Chair: [Vacant]

Secretary: Gabriel Retana
gretana@brwncauld.com

Treasurer: Leslie Gowdish
leslie.gowdish@atkinsglobal.com

Website: Susan Gerena
susan.gerena@gmail.com

Newsletter: Saurabh Srivastava
srivastava@pbworld.com