Construction
West Palm Beach 48-inch PCCP Main CIPP Rehabilitation
Andrew Costa, Insituform technologies/Aegion Corp. - .5 PDH

External Repair of Existing Pipelines Using Carbon Fiber Reinforced Polymers
Amber Jasmine Wagner, PhD, PE, Fyfe Co. - .5 PDH

Environmental & Water Resources
The Value of Comprehensive Leak Detection: Reducing Real Water Loss
Brad Gresham, Wachs Water Services - .5 PDH

An Image Processing Technique to Determine the Efficiency of Energy Dissipation
Amirmasoud Hamedi, Ph.D Candidate, Florida International University - .5 PDH

City of Altamonte Springs Potable Reuse Pilot: pureALTA
JoAnn Jackson, City of Altamonte Springs - .5 PDH

Jordan Compact – A $275 Million Grant for Conserving Water by Agricultural Reuse
Shajan Joykutty, PE, Hazen and Sawyer - .5 PDH

Ocala, Florida - From CRS Class 8 to 3: Strategies and Lessons Learned
Sean Lanier, PE, CFM and Payal Pandya, PE, CFM, City of Ocala - .5 PDH

Comparative Analysis of Success Factors for Global Implementation of Anaerobic Digestion of Waste/Sustainable and Green Transport Infrastructures
Fazil T. Najafi, Ph.D., University of Florida

E. coli Inactivation In The Floridan Aquifer During the Storage Phase of ASR
John T. Lisle, PhD, Microbial Ecologist, US Geological Survey - .5 PDH
Taking Direct Potable Reuse in Florida to the Next Level: A Demonstration Test  
Jo Ann Macrina, PE, City of Daytona Beach Utilities - .5 PDH

Emerald Coast Utilities (ECUA) Environmental Advantage  
Jim Roberts, Emerald Coast Utilities Authority - .5 PDH

A Customized Hydrologic Routing Model for Treatment Wetland System in SW Florida Water Management District  
Lei Yang, Ph.D, Southwest Florida Management District - .5 PDH

**Geotechnical**  
Deep Soil Mixing Cutoff Wall and Bottom Plug  
Ghassan Akrouch, Ph.D, PE, Hayward Baker – 1 PDH

An Overview of the Federal CCR Rule and Some Implementation Considerations  
Kwasi Badu-Tweneboah, Ph.D., PE, Geosyntec Consultants

The Use of Wicking Geotextile to Enhance Lateral Drainage in Pavement Systems  
Nathalia P. Barbosa de Castro, MSc., TenCate Geosynthetics - .5 PDH

Life of a Smart Pile  
Aneesh Goly, Ph.D., Smart Structures

Innovations in Rehabilitation of Aging Bridge Abutments  
Kyle Guenther, MS, PE, GeoStabilization International - .5 PDH

Testing Methods for Structural Integrity Assessments of Deep Foundations – 1 PDH  
Mohammad Hussein, PE, GRL Engineers – 1 PDH

An Introduction to the Use of Geosynthetics for Basal Reinforcement  
Marco Isola, Ph.D, PE, Maccaferri Inc. – 1 PDH

Gravity Sewer Pipeline Support over waste Phosphatic Clay Using GeoFoam  
Larry D. Madrid, PE, F.ASCE, Madrid Engineering Group and Mark Addison, PE, Polk County Utilities Division – 1 PDH

Specialized Construction Technologies for the Control of Groundwater Flow  
Christopher R. Ryan, PE, D.GE.

An Introduction to Cellular Concrete and Advanced Engineered Foam Technologies  
Nico Sutmoller, Aerix Industries
How Is Florida Dealing with So Many Sinkholes?
Takefumi Takuma and Ian Vaz, GIKEN - 0.5 PDH

Professional Development
Ensuring Successful Stakeholder (Community) Involvement
Nicholas Albergo, PE, DEE, GHD Services, Inc. – 1 PDH

Laws/Rules/Ethics
Ed Bayo, Esq., Grossman, Furlow, & Bayó – 2 PDH

Key Provisions in Engineering & Design/Managing and Navigating Claims on Design Professional Liability insurance Professional Contracts
Trent Cotney, Trent Cotney Construction Law Group – 1 PDH

Everything I Know About Being a Good Engineer I Learned from My Dogs
Mark L. Mongeau, PE, Ardaman & Associates – 1 PDH

Seven Secrets to Superior Writing for Engineers
Chuck Roberts, Performance Management Group – 1 PDH

W@#t! - The Dirtiest Four-Letter Word in Business and Government
Chuck Roberts, Performance Management Group – 1 PDH

Leadership Seminar
Chris Sharek, Sharek Solutions, Inc. – no PDH

Structures
Barrier Cable Design
Jairo A. Arana, PE, MSCE, PTE Systems International – 1 PDH

Unique FRP Anchoring Details Are Proof Tested by New Zealand’s Earthquakes
Scott Fine Arnold, PE, Fyfe Co/An Aegion Company - 0.5 PDH

Use of Horizontally Curved Precast Concrete U-Girders for Ramp Construction
Ted Davidson, PE, Parsons, and Don Hammack, PE, Dewberry - 0.5 PDH

Automated People Mover at the Tampa International Airport
Sam Edwards, PE, Walter P. Moore – 0.5 PDH

Connected Infrastructure
Aneesh Goly, Ph.D., Smart Structures
ASCE Wind Loads 7-16
David O. Prevatt, Ph.D., University of Florida – 1 PDH

SIPP: Implementation Methodology for Surviving Pressure Pipe Failure
Kent Weisenberg, SIPPtech

Transportation & Land Development
Applications of Advanced Technologies in Transportation Planning, Traffic Engineering and Public Transportation
Murthy VA Bondada, Ph.D, PE, F.ASCE, EPIC Engineering & Consulting LLC – 1 PDH

Building of the Transcontinental Railroad
Robert T. Hintersteiner, PE – 1 PDH

ACI Guidelines for Design and Construction of Portland Cement Concrete Pavements
Raphael Jimenez, PE, CEMEX – 1 PDH

Guidelines for Cost-Effective Specification of Cast In Place Concrete
Rafael Jimenez, PE, CEMEX - .5 PDH

Concrete Pipe Design and Overview of Installation and Inspection Pitfalls
Sarah L. Matin, PE, Rinker Materials - Concrete Pipe Division – 1 PDH

Drones/UAVs in Engineering – Real World Practice
Rick Wygant, Alert5 International LLC – 1 PDH

Utilities
Optimizing Utility Investigations on Large Design-Build Projects
Jim Anspach, Cardno

An Asset Management Approach for Valves & Hydrants
Brad Gresham, Wachs Water Services - .5 PDH

Best Practices of UDF: Improve Water Quality and Reduce Customer Complaints
Brad Gresham, Wachs Water Services - .5 PDH

Directional Drilling and Utilities – Case Studies
James LaCava, Antioch Engineering

Merging Data from Multiple Collection Platforms for Transportation Projects
Matthew LaLuzerne, PMS, Aerial Cartographics of America, Inc. – 1 PDH
I-4 Ultimate: the Ultimate Utility Coordination Effort
Vinnie LaVallette, Cardno

Overview of New Datums 2011 to 2011
David Newcomer, PE, GP Serv - .5 PDH

Let’s Grow! Why Your Economy Needs Public Sanitary Sewers
Christopher Zavatsky, Tetra Tech, Kenneth Caban, Tetra Tech and Jose Cueto, Miami-Dade Water and Sewer Department

**Friday Breakfast Presentation**
ASCE 2017 Report Card for America’s Infrastructure
Fraser Howe, PE, Tonya Mellen, PE – 1 PDH