



Low Impact Development Conference Agenda

Day 1: Thursday, October 19, 2023

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8:00-9:00 AM	Continental Breakfast Sponsored by Florida Power & Light Company
9:00-9:15 AM	MRC Welcome
9:15-10:15 AM	Right BMP, Right Place: BMP Selection Many factors go into selecting the right type of BMP for a project. These aspects and how to evaluate them against various options will be presented for creating successful projects. ~ Eban Z. Bean, PhD, PE, Assistant Professor & Extension Specialist, Agricultural and Biological Engineering Department, University of Florida
10:15-10:30 AM	Break
10:30-11:45 AM	Gray to Green with BMPTRAINS: A Tool for Permitting & BMP Credits Increase the use of green infrastructure with current regulations. ~ Martin P. Wanielista, PhD, PE, Professor Emeritus, College of Engineering & Computer Science, University of Central Florida
11:45-1:00 PM	Lunch
1:00-2:30 PM	Gray to Green with ICPR It can be a daunting task to go from gray to green on a roadway redevelopment project with fifty or more individual BMPs of varying types, all hydraulically interconnected, with many that depend on percolation. How effective will the overall green system be for pollutant load reductions with so many complex interactions? And let's say the load reductions are great, will the redeveloped roadway flood? This session will demonstrate how ICPR can be used to model not only the hydrology and hydraulics of these systems but also water quality aspects such as pollutant load removal efficiencies. ~ Pete Singhofen, PE, Founder and CTO, Streamline Technologies, Inc.
2:30-2:45 PM	Break
2:45-3:30 PM	LID+GSI Code Audit Tool Update: Breaking Down Barriers Updating codes is one of the best ways counties and municipalities can facilitate implementation of LIG+GSI. Results of recent LID+GSI Code Audits for multiple local governments in the region and across Florida will be shared. Updates and new directions for the tool will be presented as well. ~ Eban Z. Bean, PhD, PE, Assistant Professor & Extension Specialist, Agricultural and Biological Engineering Department, University of Florida
3:30-4:00 PM	Planting Considerations for Green Stormwater Infrastructure Using the right plant in the right place is critical to the success of GSI because the system may include a variety of zones, depending on the type of GSI, including a dry slope, a littoral shelf, and deep water. ~ Claire Lewis, Florida-Friendly Landscaping™ Program, Interim Director Statewide Florida-Friendly Communities Statewide Coordinator, UF/IFAS
4:00-4:30 PM	DEP GSI Initiatives and Funding Opportunities ~ Nathan Jagoda, Environmental Administrator, Springs and Water Restoration Program Division of Water Restoration Assistance, Florida Department of Environmental Protection
4:30-5:30 PM	Happy Hour Reception Sponsored by Carroll Distributing, Inc.

8:00-9:00 AM	Continental Breakfast
9:00-9:15 AM	MRC Good Morning Address
9:15-10:00 AM	The Role of LID in Meeting the Requirements of the Statewide Stormwater Rule The presentation covers the requirements of the Statewide Stormwater Rule that may be ratified by the Legislature in the next session, and the role LID can play in meeting the rule requirements. ~ Evan Shane Williams , PhD, PE, Stormwater Engineer, Environmental Protection Department, Alachua County
10:00-10:15 AM	Break
10:15-11:15 AM	Overcoming Construction Challenges for Green Infrastructure Practices As GSI BMPs become more common for stormwater treatment, it is essential that they function properly during their design life. Successful projects begin with successful installations. The presentation will provide guidance to designers, contractors, and owners to ensure the GSI BMP is built properly so it functions as designed from day one. ~ Chris Bogdan , Green Stormwater Infrastructure Manager- South, Ferguson Waterworks
11:15-12:15 PM	Filling the Maintenance Gap: GSI Maintenance Training and Tools Maintenance is the key to long-term performance of stormwater infrastructure. The University of Florida recently released a GSI Maintenance Training Program to fill the gap with maintenance of GSI. Aspects for designing with maintenance in mind and an overview of the training tools and resources will be presented. ~ Eban Z. Bean , PhD, PE, Assistant Professor & Extension Specialist, Agricultural and Biological Engineering Department, University of Florida
12:15-1:15 PM	Lunch
1:15-2:15 PM	Permeable Paver Design, Construction and Maintenance Update The use of concrete permeable pavers in parking lots, alleyways, driveways, and even municipal roadways is well established as an effective way to alleviate flooding, reduce stormwater runoff and provide pollutant control benefits. As the use of permeable pavement expands throughout Florida, design professionals should be aware of the latest industry best practices to ensure long-term performance. This presentation will describe how PICIP systems are designed, constructed, and maintained, highlighting several Florida projects. An industry update on the latest maintenance research will be provided along with information about ASCE's Design Standard 68-18, Permeable Interlocking Concrete Pavement, and ASTM C1781, Standard Test Method for Surface Infiltration Rate of Permeable Unit Pavement Systems. ~ Kevin Earley , Director, Commercial Hardscapes, Oldcastle APG a CRH Company
2:15-2:30 PM	Break
2:30-4:00 PM	A Sustainable Tomorrow: Past, Present, and Future: A Case Study of Babcock Ranch Babcock Ranch pushed the forefront of innovation and sustainable design in a time when sustainability was no more than an up-and-coming buzzword. Today, Babcock Ranch continues to push innovation focusing on sustainability, water quality, energy, and technological advancements. In late September of 2022, Babcock Ranch faced a true test of resiliency, passing through the eye of Hurricane Ian. Through their initiatives, Babcock Ranch suffered minimal damage, while much of the surrounding area was left entirely devastated and without clean drinking water. Babcock's initiatives do not stop with their success story, however, as the community continues to innovate to prepare for environmental changes and create not only a safe environment for today, but a city for tomorrow as well. ~ Amy Wicks , PE, Wicks Consulting Group