GMEC

MARCH 26-28, 2025 | RENAISSANCE ORLANDO SEAWORLD

Detailed Agenda

(Subject to Change)

Wednesday, March 26, 2025	
4:30 – 6:30 pm	**Registration & Exhibitor Move-In** | ***Crystal Foyer & Crystal C***
6:30 – 8:00 pm	**Welcome Social** | ***Upper Deck***

Thursday, March 27, 2025 *5 PDH's*	
7:30 – 4:00 pm	**Registration** | ***Crystal Foyer***
7:30 – 8:30 am	**Continental Breakfast** | ***Crystal C***
8:30 – 8:45 am	**General Session Welcome and Update** | ***Crystal DE***
8:45 – 9:45 am **(1 PDH)**	**Session I:** Geosynthetics in Roadways Speaker: Jake Pope, PE – Engineering Business Manager, Solmax Description: H2Ri is a cutting-edge geosynthetic product developed by Solmax. This presentation will introduce wicking yarn technology to road construction, offering a solution to the longstanding issue of moisture-induced roadway failures. The presentation will cover the challenges moisture poses to roadway performance, detail the technology behind H2Ri and its ability to drain water, thereby enhancing road lifespan, safety, and cost-effectiveness. Through technical explanations, case studies, and success stories, the presentation will demonstrate significant advantages of using H2Riover traditional materials and methods.
9:45 – 10:00 am	**Networking Refreshment Break** | ***Crystal C Foyer & Ballroom***
10:00 – 11:00 am **(1 PDH)**	**Session II:** Exploring CCM Nano Technologies in Soil Stabilization Speaker: John Delashaw, PE – Principal Engineer, Madrid CPWG | Deryck Fell – Technical Director, CCM Nano Technologies Description: The presentation highlights the innovative potential of CCM Nano Technologies in soil stabilization for pavement applications, focusing on enhancing roadway durability and sustainability. CCM is an environmentally friendly, two-part additive that strengthens

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	and waterproofs road subgrades and bases, significantly reducing maintenance costs and extending lifespan. Rigorous laboratory testing by Madrid CPWG and the State Materials Office, shows CCM-treated materials achieve up to four times the strength of an extensive variety of untreated materials. Expert insights explore testing, applications, and sustainable construction practices.
11:15 – 12:15 pm	**Networking Lunch | *Crystal C***
12:15 – 1:45 pm (1 PDH)	**ACEC Florida President & Keynote; Rick Baldocchi, PE | *Crystal DE***
1:45 – 2:45 pm (1 PDH)	**Session III:** Applied Mechanical Stabilization for Shallow Foundations and Working Platforms Speaker: David Fuqua, PE - Area Engineer | Tensar – A Division of CMC Description: The objective of this presentation is to present an alternative method of improving foundations for building footings and working platforms when soft or loose soils are present. Soft cohesive or loose granular soils prove to be problematic when constructing either shallow building foundations or working platforms. The concentrated loading of these structures dictates careful consideration for bearing capacity and settlement. Often, foundation improvement techniques such as, excavation and replacement, deep foundations or soil mixing are utilized. For lightly loaded structures, geosynthetics can be used to stabilize fill materials and increase bearing capacity in a more cost-effective manner. The Applied Approach to Mechanical Stabilization can be used for these designs.
2:45 – 3:00 pm	**Networking Refreshment Break | *Crystal C Foyer & Ballroom***
3:00 – 4:00 pm (1 PDH)	**Session IV:** The Prime/Subconsultant Team - Strategies for a Healthy Relationship and Successful Project Speaker: Mark Jackson, ARM & Erin Johnson, RPLU | JCJ Insurance Agency Description: Central to a project's success is a synergetic design team. When the team falters, you risk decreased profits, dissatisfied clients, and a stronger probability of claims. We focus on the importance of team selection, early engagement, coordinating contracts, appropriate transfer of risk, and indicators of communication breakdowns.
4:00 – 5:30 pm	**Networking Reception | *Crystal C***

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Friday, March 28, 2025 *3 PDH's*	
8:00 – 12:00 pm	**Registration** | ***Crystal Foyer***
8:00 – 8:30 am	**Continental Breakfast** | ***Crystal C***
8:30 – 9:30 am **(1 PDH)**	**Session V:** Testing Methods of Drilled Shafts and Auger-cast Piles Deep Foundations for Structural Integrity and Geotechnical Load Bearing Capacity Evaluations Speaker: Mohamad Hossein, PE – Principal Engineer, VP, GRL Engineers, Inc. Description: Testing and inspections of drilled shafts and auger-cast piles are integral to the design process and construction work for verification, quality control, quality assurance, and foundation acceptance/certification. The presentation covers testing methods for assessments of geotechnical load bearing capacity and structural integrity of drilled shafts and auger-cast piles. It includes dynamic load testing, bi-directional-static load testing, low-strain integrity testing, Cross-hole Sonic Logging, Thermal Integrity Profiling, and other testing and inspection methods and tools. Basic principles, capabilities and limitations of each method are discussed and illustrated with data from real jobs.
9:30 – 9:45 am	**Networking Refreshment Break** | ***Crystal C Foyer & Ballroom***
9:45 – 11:45 am **(2 PDH's)**	**Session VI: FDOT Geotechnical Panel** Speakers: FDOT District Panelists Description: This session will consist of a Panel of Geotechnical Engineers from the FDOT State Materials Office, State Design Office, and District Materials Offices, and will provide an FDOT perspective on several geotechnical issues requested for discussion by the GMEC membership. Rodrigo Herrera, State Geotechnical Engineer Sasidhar Ayithi, PE - State Geotechnical Materials Engineer Dino Jameson, PE - Earthwork Operations and Research Engineer Kisan Patel, PE - District 1/7 Geotechnical Engineer Zhihong Hu, Ph.D, PE - District 2 Geotechnical Engineer

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	Adrian Viala, PE - Assistant District Geotechnical Engineer (District 4/6) Michael Byerly, PE - D5 Geotechnical Engineer Gisele Passalacqua, PE – WSP Associate Vice President / Geotechnical Engineer Manager FDOT Turnpike
11:45 – 12:00 pm	**Adjourn**