

AGENDA
for
2016 Geotechnical Research in Progress

[DOT Course # BT-05-0135]
FDOT / State Materials Office
5007 NE 39th Ave | Gainesville, FL 32609

Thursday, July 14th 2016			
#	Time	Title	Presenter
1	8:45 – 9:00	Welcome	Rodrigo Herrera & Dave Horhota
2	9:00 – 9:30	<i>LRFD Resistance Factors for Auger Cast In Place Piles (ACIP)</i>	Drs. Michael McVay & Scott Wasman
3	9:30 – 10:00	<i>Field Testing and Calibration of the Vertical Insitu Permeameter (VIP)</i>	Dr. Ana Mohseni
4	10:00 – 11:00	<i>Evaluation of Static Resistance Estimates through FB-DEEP</i>	Dr. Michael McVay
5	11:00 – 11:30	<i>Evaluating Effect of Temporary Casing on Drilled Shaft Rock Socket Friction</i>	Dr. Gray Mullins
6	11:30 – 12:00	<i>Effect of Polymer Slurry Stabilization on Drilled Shaft Side Shear over Time</i>	Dr. Gray Mullins
	12:00 – 1:00	Lunch Break	
7	1:00 – 1:45	<i>Optimizing the Use of the Thermal Integrity Testing System for Evaluating Auger-Cast Piles</i>	Dr. Gray Mullins
8	1:45 – 2:15	<i>Development and Testing of the Miniaturized Pavement Pressuremeter</i>	Dr. Paul Cosentino
9	2:15 – 3:00	<i>Field Device to Measure Viscosity, Density, and Other Properties in Drilled Shaft</i>	Dr. Gray Mullins
	3:00 – 3:15	Break	
10	3:15 – 4:15	<i>Improving Design Phase Evaluations for High Pile Rebound Sites</i>	Dr. Paul Cosentino
11	4:15 – 4:45	<i>Implementation of Down-Hole Geophysical Testing for Rock Sockets</i>	Dr. Dennis Hiltunen
12	4:45 – 5:15	<i>Strength Envelopes for Florida Rock and Intermediate Geomaterials</i>	Drs. Michael McVay & Xiaoyu Song

* The topics in **bold** lettering are final report presentations and the topics *italicized* are newly approved and/or in-progress projects.

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Friday, July 15th 2016			
#	Time	Title	Presenter
13	8:30 – 9:30	<i>Drilled Shaft Resistance Based on Diameter, Torque and Crowd (Drilling Resistance versus Rock Strength)</i>	Dr. Michael McVay
14	9:30 – 10:30	<i>Detection of Sinkholes or Anomalies Using Full Seismic Wave Fields</i>	Drs. Khiem Tran & Michael McVay
15	10:30 – 11:00	<i>Microbial Induced Calcite Precipitation to Stabilize Florida High-Organic Soils</i>	Dr. Raphael Crowley
16	11:00 – 11:30	<i>Effect of Proximity of Sheet Pile Walls on the Apparent Capacity of Driven Displacement Piles</i>	Drs. Jae Chung & Michael McVay
17	11:30 – 12:00	<i>Development of a Sinkhole Risk Evaluation Program</i>	Dr. Boo Nam

PDH credits will be awarded by segments:

Thursday (July 14, 2016)

9:00 AM – 12:00 PM 3.00 PDH

1:00 PM – 5:15 PM 4.25 PDH

Friday (July 15, 2016)

8:30 AM – 12:00 PM 3.50 PDH