

2017 Geotechnical Research in Progress (GRIP) AGENDA

[DOT Course #BT-05-0135]

FDOT / State Materials Office

5007 NE 39th Ave | Gainesville, FL 32609

Day 1 (Thursday, August 17, 2017)			
#	Time	Title	Presenter
-	8:45 – 9:00	Welcome	Rodrigo Herrera & Dave Horhota
1	9:00 – 9:30	Field Testing and Calibration of the Vertical Insitu Permeameter (VIP)	Drs. Ana Mohseni & Harald Krammler
2	9:30 – 10:00	Bearing Capacity Factors for Shallow Foundations Subject to Combined Lateral and Axial Loading	Drs. Scott Wasman & Michael McVay
3	10:00 – 10:30	Strength Envelopes for Florida Rock and Intermediate Geomaterials	Drs. Michael McVay & Xiaoyu Song
	10:30 – 10:45	Break	
4	10:45 – 11:15	Microbial Induced Calcite Precipitation to Stabilize Florida High-Organic Soils	Dr. Raphael Crowley
5	11:15 – 11:45	Thermal Integrity Profiling for Augered Cast-In-Place Piles - Implementation Plan	Drs. Gray Mullins & Kevin Johnson
	11:45 – 1:00	Lunch Break	
6	1:00 – 1:30	Development and Testing of the Miniaturized Pavement Pressuremeter	Dr. Paul Cosentino
7	1:30 – 2:00	Evaluating Effect of Temporary Casing on Drilled Shaft Rock Socket Friction	Dr. Gray Mullins
8	2:00 – 2:30	Design Phase Evaluations of High Pile Rebound Soils with an Emphasis on SPT Testing	Dr. Paul Cosentino
9	2:30 – 3:00	Effect of Polymer Slurry Stabilization on Drilled Shaft Side Shear over Time	Dr. Gray Mullins
	3:00 – 3:15	Break	
10	3:15 – 3:45	Measurement System for Pile Rebound during Construction and Design Geotechnical Investigation Improving	Dr. Paul Cosentino
11	3:45 – 4:15	LRFD Factors for Tip Grouted Drilled Shafts	Dr. Gray Mullins
12	4:15 – 4:30	<i>Sinkhole Detection with 3-D Full Elastic Seismic Waveform Tomography*</i>	Drs. Khiem Tran & Michael McVay
13	4:30 – 4:45	<i>Estimating Soil Pressure against Unyielding Surfaces*</i>	Dr. Mike Rodgers

Note: The topics in bold lettering are final report presentations and the topics with ‘*’ are the newly approved projects

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Day 2 (Friday, August 18, 2017)			
#	Time	Title	Presenter
14	8:30 – 9:00	Measuring while Drilling for Florida Site Investigations	Drs. Mike Rodgers & Michael McVay
15	9:00 – 9:30	Implementation of Down-Hole Geophysical Testing for Rock Sockets	Dr. Dennis Hiltunen
16	9:30 – 10:00	Effect of Proximity of Sheet Pile Walls on the Apparent Capacity of Driven Displacement Piles	Drs. Jae Chung & Michael McVay
	10:00 – 10:15	Break	
17	10:15 – 10:45	Evaluation of Static Resistance Estimates through FB-DEEP	Drs. Michael McVay & Jae Chung
18	10:45 – 11:15	Development of a Sinkhole Risk Evaluation Program	Dr. Boo Nam
19	11:15 – 11:45	Development of Statistical Models to Predict the Compressibility of Florida’s Soils	Dr. Boo Nam
20	11:45 – 12:00	<i>Comparison of SPT N-value with Alternative Field Test Methods in Determining Moduli for Settlement Predictions*</i>	Dr. Manoj Chopra

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PDH credits will be awarded by segments:		
Thursday, August 17, 2017	9:00 AM – 11:45 PM	2.5 PDH
	1:00 PM – 4:45 PM	3.5 PDH
Friday, August 18, 2017	8:30 AM – 12:00 PM	3.5 PDH