

AGENDA
for
2018 Geotechnical Research in Progress

[DOT Course #BT-05-0135]

FDOT / State Materials Office
5007 N.E. 39th Avenue
Gainesville, FL 32609

Thursday (August 9, 2018)

#	Time	Title	Presenter
	8:45 – 9:00	Welcome	Rodrigo Herrera & Dave Horhota
1	9:00 – 9:45	<i>-Development of an Improved Vertical and Horizontal In-situ Permeameter (VAHIP) -Field Implementation of the Vertical In-situ Permeameter (VIP)</i>	Drs. Ana Mohseni, Harald Krammler, & Mike Rodgers
2	9:45 – 10:15	<i>-Bearing Capacity Factors for Shallow Foundations Subject to Combined Lateral and Axial Loading</i>	Drs. Scott Wasman & Michael McVay
3	10:15 – 10:45	<i>-Estimating Soil Pressure against Unyielding Surfaces</i>	Drs. Mike Rodgers & Michael McVay
4	10:45 – 11:15	<i>-Implementation of Down-Hole Geophysical Testing for Rock Sockets</i>	Dr. Dennis Hiltunen
5	11:15 – 12:00	<i>-Measuring While Drilling (MWD) for Florida Site Investigations -Implementation of Measuring While Drilling Shafts in Florida</i>	Drs. Mike Rodgers & Michael McVay
	12:00 – 1:00	Lunch Break	
6	1:00 – 1:45	<i>-Evaluating the Effect of Temporary Casing on Drilled Shaft Rock Socket Friction -Effect of Polymer Slurry Stabilization on Drilled Shaft Side Shear over Time</i>	Dr. Gray Mullins
7	1:45 – 2:30	<i>-Development and Testing of the Miniaturized Pavement Pressuremeter</i>	Dr. Paul Cosentino
8	2:30 – 3:00	<i>-LRFD Factors for Tip Grouted Drilled Shafts</i>	Dr. Gray Mullins
9	3:00 – 3:45	<i>-Design Phase Evaluations of High Pile Rebound Soils with an Emphasis on SPT Testing -Quantifying Pile Rebound with Deflection Measuring Systems Best Suited for Florida Soils</i>	Dr. Paul Cosentino
10	3:45 – 4:15	<i>-Sinkhole Detection with 3-D Full Elastic Seismic Waveform Tomography</i>	Drs. Khiem Tran & Michael McVay
11	4:15 – 5:00	<i>-Effect of Proximity of Sheet Pile Walls on the Apparent Capacity of Driven Displacement Piles</i>	Drs. Jae Chung & Michael Davidson

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Friday (August 10, 2018)

#	Time	Title	Presenter
12	8:15 – 8:30	<i>-Underwater Noise Level Study during Impact Pile Driving</i>	Dr. Raphael Crowley
13	8:30 – 9:00	<i>-Determining Bearing Resistance of Cantilever Sheet Piles</i>	Drs. Xiaoyu Song & Amirata Taghavi
14	9:00 – 9:30	<i>-Microbial Induced Calcite Precipitation to Stabilize Florida High-Organic Soils</i>	Dr. Raphael Crowley
15	9:30 – 10:00	<i>-Strength Envelopes for Florida Rock and Intermediate Geomaterials</i>	Drs. Michael McVay & Xiaoyu Song
16	10:00 – 10:15	<i>-Development of GS-DEEP Software (pending approved scope of services)</i>	Drs. Michael Davidson & Michael McVay
17	10:15 – 11:00	<i>-Development of a Sinkhole Risk Evaluation Program</i>	Dr. Boo Nam
18	11:00 – 11:30	<i>-Comparison of SPT N-value with Alternative Field Test Methods in Determining Moduli for Settlement Predictions</i>	Drs. Manoj Chopra & Luis Monsalve
19	11:30 – 12:00	<i>-Development of Statistical Models to Predict Compressibility of Florida's Soils</i>	Dr. Boo Nam
20	12:00 – 12:15	<i>-Prediction Model of Vibration-Induced Settlement Due to Pile Driving (pending approved scope of services)</i>	Drs. Boo Nam & Luis Monsalve

PDH credits will be awarded by segments:

Thursday (August 9, 2018)

9:00 AM – 12:00 PM 3.00 PDH

1:00 PM – 5:00 PM 4.00 PDH

Friday (August 10, 2018)

8:15 AM – 12:15 PM 4.00 PDH