

Agenda
for the
32nd Annual Geotechnical Research in Progress (GRIP) - 2019

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

Thursday (August 15, 2019)

#	Time	Title	Presenter
	8:15 – 8:30	Welcome	Rodrigo Herrera & Dave Horhota
1	8:30 – 9:00	<i>Determining Bearing Resistance of Cantilever Sheet Piles</i>	Drs. Xiaoyu Song & Amirata Taghavi
2	9:00 – 9:45	<i>Bearing Capacity Factors for Shallow Foundations Subject to Combined Lateral and Axial Loading</i>	Dr. Scott Wasman
3	9:45 – 10:15	<i>Sinkhole Detection with 3-D Full Elastic Seismic Waveform Tomography</i>	Dr. Khiem Tran
4	10:15 – 10:45	<i>Implementation of Down-Hole Geophysical Testing for Rock Sockets</i>	Dr. Dennis Hiltunen
5	10:45 – 11:30	<i>Measuring While Drilling (MWD) for Florida Site Investigations</i>	Drs. Mike Rodgers & Michael McVay
6	11:30 – 12:00	<i>Implementation of Measuring While Drilling Shafts in Florida</i>	Drs. Mike Rodgers & Michael McVay
	12:00 – 1:00	<i>Lunch Break</i>	
7	1:00 – 1:45	<i>LRFD Factors for Tip Grouted Drilled Shafts</i>	Dr. Gray Mullins
8	1:45 – 2:00	<i>Field Investigation of Downdrag on Concrete Piles in Sandy Soil (pending approved scope of services)</i>	Dr. Gray Mullins
9	2:00 – 2:30	<i>Design Phase Evaluations of High Pile Rebound Soils with an Emphasis on SPT Testing</i>	Dr. Paul Cosentino
10	2:30 – 3:00	<i>Quantifying Pile Rebound with Deflection Measuring Systems Best Suited for Florida Soils</i>	Dr. Paul Cosentino
	3:00 – 3:15	<i>Break</i>	
11	3:15 – 3:45	<i>Estimating Soil Pressure against Unyielding Surfaces</i>	Dr. Mike Rodgers
12	3:45 – 4:15	<i>Field Implementation of the Vertical In-situ Permeameter (VIP)</i>	Dr. Mike Rodgers
13	4:15 – 4:45	<i>Development of GS-DEEP software</i>	Dr. Michael Davidson
14	4:45 – 5:00	<i>Performance Testing of GRS Test Piers Constructed with Florida Aggregates – Axial Load Deformation Relationships (pending approved scope of services)</i>	Dr. Scott Wasman

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Friday (August 16, 2019)

	Time	Title	Presenter
15	8:30 – 9:15	<i>Strength Envelopes for Florida Rock and Intermediate Geomaterials</i>	Drs. Michael McVay & Xiaoyu Song
16	9:15 – 9:30	<i>Field Load Testing of Florida Limestone (pending approved scope of services)</i>	Dr. Michael McVay
17	9:30 – 10:00	<i>Underwater Noise Level Study during Impact Pile Driving</i>	Dr. Raphael Crowley
18	10:00 – 10:15	<i>In-service Assessment of Road Sinkholes with 2D Ambient Noise Tomography (pending approved scope of services)</i>	Dr. Khiem Tran
	10:15 – 10:30	<i>Break</i>	
19	10:30 – 11:00	<i>Prediction Model of Vibration-Induced Settlement Due to Pile Driving</i>	Drs. Boo Nam & Luis Monsalve
20	11:00 – 11:30	<i>Development of an Improved Vertical and Horizontal In-situ Permeameter (VAHIP)</i>	Dr. Ana Mohseni
21	11:30 – 12:00	<i>Comparison of SPT N-value with Alternative Field Test Methods in Determining Moduli for Settlement Predictions</i>	Drs. Manoj Chopra & Luis Monsalve
22	12:00 – 12:30	<i>Development of Statistical Models to Predict Compressibility of Florida's Soils</i>	Dr. Boo Nam

PDH credits will be awarded by segments:

Thursday (August 15, 2019)

8:30 AM – 12:00 PM 3.50 PDH

1:00 PM – 5:00 PM 3.75 PDH

Friday (August 16, 2019)

8:30 AM – 12:30 PM 3.75 PDH