

Agenda
for the
FDOT



GRIP | 35TH ANNUAL
GEOTECHNICAL
RESEARCH
IN PROGRESS

AUGUST 11-12, 2022

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

Segment 1: August 11, 2022			
No.	Time	Title	Presenter(s)
	8:15 – 8:30	<i>Welcome</i>	Rodrigo Herrera & Dave Horhota
1	8:30 – 9:00	<i>Use of 3D Seismic Waveform Tomography with SPT-Source for Geotechnical Site Characterization</i>	Dr. Khiem Tran
2	9:00 – 10:00	<i>Estimating Soil Pressure against Unyielding Surfaces</i>	Dr. Mike Rodgers
3	10:00 – 10:30	<i>Performance Testing of GRS Test Piers Constructed with Florida Aggregates – Axial Load Deformation Relationships</i>	Dr. Scott Wasman
	10:30 – 10:45	Break	
4	10:45 – 11:45	<i>Assessing Axial Capacities of Auger Cast Piles from Measuring While Drilling</i>	Dr. Mike Rodgers
5	11:45 – 12:15	<i>Field Investigation of Downdrag on Concrete Piles in Sandy Soil</i>	Dr. Gray Mullins
	12:15 – 1:15	Lunch Break	
6	1:15 – 1:45	<i>Estimating the As-Placed Grout Volume of Auger Cast Piles</i>	Dr. Gray Mullins
7	1:45 – 2:15	<i>Using the PENCEL PMT to Evaluate Shallow Foundations at Florida’s Fine Sand Sites</i>	Dr. Paul Cosentino
8	2:15 – 2:45	<i>Relaxation of Driven Piles in Florida Soils</i>	Dr. Gray Mullins
	2:45 – 3:00	Break	
9	3:00 – 3:30	<i>Measuring While Drilling in Florida Soils for Geotechnical Site Characterization</i>	Dr. Mike Rodgers
10	3:30 – 4:00	<i>Implementation of Geo-Stat Deep Foundation Software</i>	Drs. Michael Davidson & Mike Rodgers
11	4:00 – 5:00	<i>Determining Bearing Resistance of Cantilever Sheet Piles</i>	Dr. Xiaoyu Song

Segment 1 Maximum PDH Hours = 7.0

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Segment 2: August 12, 2022			
No.	Time	Title	Presenter(s)
	8:20 – 8:30	<i>Welcome</i>	
1	8:30 – 9:30	<i>Field Load Testing of Florida Limestone</i>	Drs. Mike Rodgers & Scott Wasman
2	9:30 – 10:00	<i>Underwater Noise Level Study During Impact Pile Driving</i>	Dr. Raphael Crowley
	10:00 – 10:15	<i>Break</i>	
3	10:15 – 11:15	<i>Prediction Model of Vibration-Induced Settlement Due to Pile Driving</i>	Drs. Luis Arboleda & Boo Nam
4	11:15 – 11:45	<i>Validation and Update of the Sinkhole Index</i>	Drs. Boo Nam & Ryan Shamet
5	11:45 – 12:15	<i>Assessment of Drilled Shaft Capacity and QA/QC from Measuring While Drilling</i>	Dr. Mike Rodgers

Segment 2 Maximum PDH hours = 3.5