## Agenda

for the

# 33rd Annual Geotechnical Research in Progress (GRIP) - 2020

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



Segment 1: August 4, 2020					
No.	Time	Title	Presenter(s)		
	8:20 - 8:30	Welcome			
1	8:30 – 9:00	Field Investigation of Downdrag on Concrete Piles in Sandy Soil	Dr. Gray Mullins		
2	9:00 – 10:00	Quantifying Pile Rebound with Deflection Measuring Systems Best Suited for Florida Soils	Dr. Paul Cosentino		
3	10:00 – 10:30	Underwater Noise Level Study During Impact Pile Driving	Dr. Raphael Crowley		
	10:30 - 10:45	Break			
4	10:45 – 11:45	Evaluation of Self Consolidating Concrete and Class IV Concrete Flow in Drilled Shafts	Dr. Gray Mullins		
5	11:45 – 12:15	Development of FDOT SERF and RETA Design Equations for Coastal Scour when a Single Vertical Pile is Subjected to Wave Attack	Dr. Raphael Crowley		

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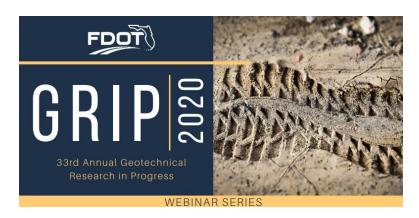
Segment 2: August 20, 2020					
No.	Time	Title	Presenter(s)		
	8:20 - 8:30	Welcome			
6	8:30 – 9:00	Field Implementation of the Vertical In-situ Permeameter (VIP)	Dr. Mike Rodgers		
7	9:00 – 9:30	Performance Testing of GRS Test Piers Constructed with Florida Aggregates – Axial Load Deformation Relationships	Dr. Scott Wasman		
8	9:30 - 10:00	Field Load Testing of Florida Limestone	Dr. Michael McVay		
9	10:00 – 10:30	Prediction Model of Vibration-Induced Settlement Due to Pile Driving	Drs. Boo Nam & Luis Monsalve		
	10:30 - 10:45	Break			
10	10:45 – 11:15	Assessing Axial Capacities of Auger Cast Piles from Measuring While Drilling	Drs. Mike Rodgers & Michael McVay		
11	11:15 – 12:15	Sinkhole Detection with 3-D Full Elastic Seismic Waveform Tomography	Dr. Khiem Tran		
12	12:15 – 12:45	Comparison of SPT N-value with Alternative Field Test Methods in Determining Moduli for Settlement Predictions	Drs. Manoj Chopra & Luis Monsalve		

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Segment 3: August 27, 2020					
No.	Time	Title	Presenter(s)		
	8:20 – 8:30	Welcome			
13	8:30 – 9:00	Estimating Soil Pressure against Unyielding Surfaces	Dr. Mike Rodgers		
14	9:00 – 10:00	Bearing Capacity Factors for Shallow Foundations Subject to Combined Lateral and Axial Loading	Dr. Scott Wasman		
15	10:00 – 10:45	Development of GeoStat Software	Dr. Michael Davidson		
	10:45 – 11:00	Break			
16	11:00 – 11:45	Implementation of Measuring While Drilling Shafts in Florida	Drs. Mike Rodgers & Michael McVay		
17	11:45 – 12:15	Determining Bearing Resistance of Cantilever Sheet Piles	Drs. Xiaoyu Song & Amirata Taghavi		
18	12:15 – 12:45	In-service Assessment of Road Sinkholes with 2D Ambient Noise Tomography	Dr. Khiem Tran		