

DFI 2019 Middle East Conference  
 Geotechnical Engineering for Delivering Sustainable Cost-Effective Projects  
 RTA HQ, Dubai, UAE  
 Preliminary Presentation List

Function	Presentation #	Presentation Title	Presenter	Organization	Country
<b>PRE-CONFERENCE</b>					
WORKSHOP: Risk Based Monitoring for Deep Excavations and Foundations					
Sponsor Exhibit Set-Up					
<b>CONFERENCE-DAY 1</b>					
Registration, Coffee Break and Refreshments					
Opening Remarks, Keynote Speakers	1	Opening Inaugural Keynote Address - Road and Transport Authority	Dr. Abdulsamei	Road and Transport Authority	United Arab Emirates
Geotechnical Characterization	2	Geotechnical Sustainability – Out of Sight, Out of Mind	Ryan Sochanik	Newcastle University	United Arab Emirates
Geotechnical Characterization	3	Advanced Geotechnical Laboratory Testing and Applications	Man Bui, Ph.D.	GTC Soil Analysis Services	United Kingdom
Geotechnical Characterization	4	Evaluation and Correlations of DPH Results	Houman Solemani Fard, Ph.D.	Keller Grundbau GmbH	United Arab Emirates
Coffee Break and Networking in Sponsor Exhibit Area					
Ground Improvement	5	Single Column Mixing with Double Rotary Head (SCM-DH) - A New Approach for Single Column Mixing (SCM) - First Experiences with a New Soil Mixing Tool	Franz-Werner Gerressen	BAUER Maschinen GmbH	Germany
Ground Improvement	6	Deep Soil Mixing (DSM) and its Potential Application in the UAE and the Middle East	Houman Solemani Fard, Ph.D.	Keller Grundbau GmbH	United Arab Emirates
Ground Improvement	7	Volume Measurement of Dynamic Compaction Crater using Photogrammetry Method	Hung-Jiun Liao	National Taiwan University of Science and Technology	Taiwan
Lunch Break and 5 Minute Transition					
Foundation Testing	8	Dynamic Load Testing of Deep Foundations	Hazem Sarhan, Ph.D., P.E.	PDI	United Arab Emirates
Foundation Testing	9	Speaker to be Determined			
Foundation Testing	10	Speaker to be Determined			
Foundation Testing	11	Speaker to be Determined			
Coffee and Networking Break and 5 Minute Transition in Sponsor Exhibit Area					
Ground Improvement	12	Design and Optimization of Stone Columns Under Heavily Loaded Tanks, Case Study	Houman Solemani Fard, Ph.D.	Keller Grundbau GmbH	United Arab Emirates
Ground Improvement	13	Effect of Soil Reinforcement with Stone Columns on the Behavior of a Monopile Foundation Subjected to Lateral Cyclic Loads	Rafa Sid Ali	CNERIB	Algeria
Ground Improvement	14	Ground Improvement as a Mitigation against Liquefaction of Reclaimed Lands	Mona Abd Alghaffar, Ph.D., C.Eng., MICE	Jacobs Engineering	United Arab Emirates

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Ground Improvement	15	In-Situ Study on Improvement of Soft Ground Using Stone Columns for Railway Embankment	Bokka Kumar, PG	Tata Projects Limited	India
Ground Improvement	16	Ground Improvement as an Alternative to Piling	Mohamed Ayeldeen, Ph.D.	Keller Grundbau GmbH	United Arab Emirates
Closing Remarks					
Social Reception and Dinner					
<b>CONFERENCE-DAY 2</b>					
Registration, Coffee and Refreshments					
Opening Remarks, Keynote Speakers	17	Deep Excavations in Urban Areas and What Can Go Wrong with Them	John Endicott, Ph.D.	AECOM	United Arab Emirates
Keynote Lecture	18	Reducing Liquefaction Susceptibility of Reclaimed Calcareous Sand	Alaa Ashmawy, Ph.D., P.E.	American University at Dubai	United Arab Emirates
Coffee and Networking in Sponsor Exhibit Area					
		Speaker to be Determined			
Geotechnical Software and Information Systems	20	Soil Foundation Superstructure Interaction for the Tallest Tower in the World: The Kingdom Tower	Alexandros Yiagos, Ph.D.	Langan International	United Arab Emirates
Geotechnical Software and Information Systems	21	Study on Jacked Pile Installation in Cohesionless Soil	Balu E. George, Ph.D.	IIT Madras	India
Geotechnical Software and Information Systems	22	Numerical Simulation of a Scaled Centrifuge Pile Installation Experiment using Material Point Method and Inverse Analysis Approach	Ahmed Elkadi, Ph.D., C.Eng.	Deltares	Netherlands
Geotechnical Software and Information Systems	23	Integration of Pile Analysis into Conventional Limit Equilibrium Methods for Reinforced Pile Slopes	Thamer Yacoub, Ph.D., P.Eng.	Rocscience	Canada
Lunch Break and 5 Minute Transition					
Deep Foundations 1: Design Methods	24	Implementation of High Capacity and Removable Ground Anchors for Support of Deep Excavations in the United Arab Emirates	Bora Okumusoglu, B.Sc., M.Sc.	Bauer International FZE	United Arab Emirates
Deep Foundations 1: Design Methods	25	Advantages of 3D Analysis in Shoring Design	Onur Ozkol, M.Sc.	ByrneLooby Consulting Engineers	United Arab Emirates
Deep Foundations 1: Design Methods	26	Early Applications of Soil Nail Solutions in the GCC Area	Sean Beirne-Lewis, M.Sc., FGS	Ischebeck Titan Group Ltd	United Kingdom
Deep Foundations 1: Design Methods	27	Unsymmetrical Twin Shaft Retention System for Stormwater Terminal Pumping Station in Dubai	Bora Okumusoglu, B.Sc., M.Sc.	Bauer International FZE	United Arab Emirates
Coffee and Networking Break and 5 Minute Transition in Sponsor Exhibit Area					
Deep Foundations 2: Construction and Case Histories		Speaker to be Determined			

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Deep Foundations 2: Construction and Case Histories	29	Application of Bi-Directional Static Load Test (BDSLT) in the Middle East Foundation Industry	Dr. Anil Cherian	Strainstall	United Arab Emirates
Deep Foundations 2: Construction and Case Histories	30	Effective Design Solutions for Screw Pile Foundations of Solar Photovoltaic Power Plant in Ashes	Anton Glazachev	Glavfundament LTD	Russia
Deep Foundations 2: Construction and Case Histories	31	Influence of Oil-Contaminated Sand on the Lateral Behavior of a Single Finned Pile	Musbah Hasan	Sirte University	Libya
Deep Foundations 2: Construction and Case Histories	32	A Detailed Piled Raft Design Approach for the Foundation of a High-Rise Building in Challenging Ground and Groundwater Conditions	Illias Michalis	Arcadis	Asia
Closing Remarks and Ceremony Exhibit Dismantle					