

**42ND ANNUAL SOUTHWEST GEOTECHNICAL ENGINEERS CONFERENCE  
MAY 1ST - 4TH, 2017  
PHOENIX - TEMPE, ARIZONA  
SPONSORED BY THE ARIZONA DEPARTMENT OF TRANSPORTATION**

Monday May 1, 2017		
5:00 PM to 7:00 PM	<b>Welcome Reception (exhibits open)</b>	
Tuesday May 2, 2017		
8:00 AM to 8:10 AM	Opening Remarks - Todd Emery, Deputy State Engineer for Infrastructure Delivery and Operations	Brent Conner AZ DOT
Session 1: Moderated by Jesse Rauser (LA DOT)		
8:10 AM to 8:40 AM	The Design of MSE Walls with Lightweight Cellular Concrete	Susan Rafalko Reinforced Earth Company
8:40 AM to 9:10 AM	SR542, Bellingham, WA and Pavement Remediation at NOLA	Nico Sutmoller Aerix Industries
9:10 AM to 9:40 AM	New Large Scale Field Trials to validate the long term performance of Geogrids in soft subgrades	Chris Quirk NAUE Geosynthetics
9:40 AM to 10:10 AM	<b>Break</b>	
Session 2: Moderated by Marie Fisk (TX DOT)		
10:10 AM to 10:32 AM	Conversion from MSE to GRS Results in 65% Savings	Dean Sandri Oldcastle Architectural
10:32 AM to 10:54 AM	MSE Walls: How Much Life Remains? A Case Study	Ashley Mac Millan Geocomp Corporation
10:54 AM to 11:16 AM	Repair of I-40/Louisiana ramp using compaction grouting to arrest future settlement of the random fill zone between MSE panel walls.	Michelle Mann NM DOT
11:16 AM to 11:38 AM	Alternative MSE Backfill	Kathryn Griswell CA DOT
11:38 AM to 12:00 PM	Creating and validating design with multi-axial geogrids	Branden Reall Tensar
12:00 PM to 1:30 PM	<b>Lunch</b>	
Session 3: Moderated by Chris Nickel (LA DOT)		
1:30 PM to 1:52 PM	RIM-Cell - Drilled Foundation Load Performance Verification	William F. "Bubba" Knight Load Test
1:52 PM to 2:15 PM	Load Testing and Quality Assurance of Drilled Foundations	Camilo Alvarez GRL Engineers
2:15 PM to 2:37 PM	Quality Control Testing of Drilled Shafts Through Thermal Integrity Profiling	James Schmidt Terracon
2:37 PM to 3:00 PM	Critical Geotechnical Challenges in Inspection and Testing of Drilled Shaft Constructions	Shameem Dewan Premier Engineering Corporation
3:00 PM to 3:30 PM	<b>Break</b>	
Session 4: Moderated by Luke Methany (KS DOT)		
3:30 PM to 3:52 PM	In-Situ Estimates of Unsaturated Hydraulic Diffusivity Using Soil Moisture Sensors	Christopher Clark OK DOT
3:52 PM to 4:15 PM	Correlation of the State of the Art COE and SSF Methods for EDC Pile with Static Load Tests	Sastry Putcha Smart Structures
4:15 PM to 4:37 PM	Use of Continuous Flight Auger Piles (CFA) for Support of a Bridge Re-Alignment Project in Atlanta, GA	Matthew Meyer Langan Engineering
4:37 PM to 5:00 PM	MacArthur Interchange: Expediting the Pile Verification Process	Jesse Rauser LA DOT

Wednesday May 3, 2017		
Session 5: Moderated by John Delphia (TX DOT)		
8:00 AM to 8:22 AM	SR 87 MP 224 – 226 Continued Landslide Repairs	Keith Dahlen, Jim Lemmon Ethos, AZ DOT
8:22 AM to 8:45 AM	Applications of Enzyme Induced Calcium Carbonate Precipitation for Erosion Control	Edward Kavazanjian, Nasser Hamdan Arizona State University
8:45 AM to 9:07 AM	Slope Maintenance and Slide Restorations in Kansas	Luke Metheny KS DOT
9:07 AM to 9:30 AM	Communication and Management of Geotechnical Risks for Transportation Asset Management	Mark Vessely Shannon & Wilson, Inc.
9:30 AM to 10:10 AM	<b>Break</b>	
Session 6: Moderated by Christopher Clark (OK DOT)		
10:10 AM to 10:32 AM	Rockfall Characterization, Remote Sensing and Geotechnical Asset Management	Randy Post Golder
10:32 AM to 10:54 AM	Slope Protection and Rockfall Barrier Innovations at the Historic Salt River Project - Horse Mesa Dam, Superstition Mountains, Arizona	Ashley Herndon, Kevin McNeill Adams Contracting , Geobruigg
10:54 AM to 11:16 AM	SH 63 Bridge over the Sabine River: Flooding and Repair Measures	Marie Fisk TX DOT
11:16 AM to 11:38 AM	Whitney Portal Rock Scaling- Project Scope and Partner Expectations	Dominic Monarco FHWA - CFLHD
11:38 AM to 12:00 PM	Rock slope ratings as a design standard	Scott Anderson BGC Engineering
12:00 PM to 1:30 PM	<b>Lunch</b>	
Session 7: Moderated by Dominic Monarco (FHWA - CFLHD)		
1:30 PM to 1:52 PM	Foundation Repairs of Flood Damaged Bridges: A Case Study	Chris Nickel LA DOT
1:52 PM to 2:15 PM	Why Geotechnical Engineers Should be Involved in Scour	John Delphia TX DOT
2:15 PM to 2:37 PM	Assessing Scour and Erodability Conditions for Bridges and Earthwork Impinging on Drainage in the Southwest	Michael Rucker AMEC
2:37 PM to 3:00 PM	Association of Geohazard Professionals (AGHP) Educating and Evolving the Industry	Elizabeth Peggs AGHP
3:00 PM to 3:30 PM	<b>Break - Exhibits close at 3:30 pm</b>	
Session 8: Moderated by Michelle Mann (NM DOT)		
3:30 PM to 3:52 PM	FHWA update on ongoing programs - DIGGS and IDEA	Silas Nichols FHWA - HQ
3:52 PM to 4:15 PM	Incorporation of Foundation Deformations in AASHTO LRFD Bridge Design Process	Naresh Samtani NCS GeoResources, LLC
4:15 PM to 4:37 PM	Resilient Design – Acknowledging Uncertainty and Looking Beyond the Factor of Safety	Nathan Thompson GeoStabilization International
4:37 PM to 5:00 PM	Assuring Quality in Geotechnical Reporting Documents	Barry Siel FHWA - RC
Thursday May 4, 2017		
Session 9: FIELD TRIP Brent Conner (AZ DOT)		
8:00 AM to 4:30 PM	FFIELD TRIP - CMAR project in the Verde Valley	Brent Conner AZ DOT