

# 41st Southwest Geotechnical Engineers Conference

Hosted by the Kansas Department of Transportation

Olathe, Kansas May 9-12, 2016

Monday May 9, 2016		
5:00 PM to 7:00 PM	<b>Welcome Reception (exhibits open)</b>	
Tuesday May 10, 2016		
Session 1: Moderated by Jesse Rauser (LA DOT)		
8:00 AM to 8:10 AM	Opening Remarks	James Brennan/Daniel Alzamora KDOT/FHWA-RC
8:10 AM to 8:40 AM	Design-Build Transportation Project: A Geotechnical Prospective	Deepak Neupane Terracon
8:40 AM to 9:10 AM	Tappan Zee Bridge - Design, Construction and QA of large steel pipe piles	Justice Maswoswe FHWA - RC
9:10 AM to 9:40 AM	Mine Investigation and Remediation, Johnson County Gateway Project, Kansas	John Szturo, Adrian Keller HNTB
9:40 AM to 10:10 AM	<b>Break</b>	
Session 2: Moderated by John Delphia (TX DOT)		
10:10 AM to 10:32 AM	Durability of Metallic Soil Reinforcements in MSE Structures	David Hutchinson Reinforced Earth
10:32 AM to 10:54 AM	NDOT research project regarding temperature distribution in MSE wall soil backfills under elevated temperature conditions	Andrew Kasozi NV DOT
10:54 AM to 11:16 AM	Instrumentation and Analysis of Geosynthetic-reinforced Earth Walls with Secondary Reinforcement	Jie Han University of Kansas
11:16 AM to 11:38 AM	MSE walls - Arizona's perspective	Brent Conner AZ DOT
11:38 AM to 12:00 PM	Johnson County Gateway project in Kansas City	Ed Austin, Scott Mackiewicz Sine Wall, Braun Intertec
12:00 PM to 1:30 PM	<b>Lunch</b>	
Session 3: Moderated by Michael Salisbury (CA DOT)		
1:30 PM to 1:52 PM	Best Practices for MSE Design, Construction and Inspection	Keith Brabant, Robert Gladstone RECO, AMSE
1:52 PM to 2:15 PM	LADOTD Drilled Shaft Design and Construction Practice	James "Matt" Melton LA DOT
2:15 PM to 2:37 PM	Drilled Shaft Inspection and Testing Technologies	Camilo Alvarez, Brent Robinson GRL Engineers, Inc..
2:37 PM to 3:00 PM	Inclusion of overburden frictional resistance into shaft nominal capacity for significant economic savings – an O-Cell case study	William "Bubba" Knight Loadtest USA
3:00 PM to 3:30 PM	<b>Break</b>	
Session 4: Moderated by Elliot Motgomery (NM DOT)		
3:30 PM to 3:52 PM	Electrical resistivity tomography for subsurface characterization	Stacey Kulesza Kansas State University
3:52 PM to 4:15 PM	Use of Subsurface Imaging to Detect Voids for Highway Design, and Emergency Response During Construction	Phil Sirls Olson Engineering, Inc.
4:15 PM to 4:37 PM	Geophysical Exploration for Re-use of Existing Foundation, Lake Mary Road, AZ	Marylyn Dodson FHWA - CFLHD
4:37 PM to 5:00 PM	Utilization Of Difficult Access Techniques To Retrofit And Strengthen Existing Foundation	Cameron Lobato, Heather Trantham GeoStabilization International

Wednesday May 11, 2016		
Session 5: Moderated by Sharid Amiri (CA DOT)		
8:00 AM to 8:22 AM	Overview of the current analytical and numerical methods of solving potential slope stability failures	Sean Johnson Plaxis Americas LLC
8:22 AM to 8:45 AM	Pervious Cellular Concrete, Applications/Recent Projects	Nico Sutmoller Aerix Industries
8:45 AM to 9:07 AM	Repair of 80-Year Old Dry Stack Wall	Ryan Eaves TX DOT
9:07 AM to 9:30 AM	Large Precast Concrete Modular Block Retaining Walls – Tall Gravity and Channel Applications	Michael S. Klotthor ReCon Retaining Walls
9:30 AM to 10:10 AM	<b>Break</b>	
Session 6: Moderated by Andrew Kasozi (NV DOT)		
10:10 AM to 10:32 AM	GRS bridge abutment construction	Jeff Clark/Elliot Montgomery Golder Associates/NM DOT
10:32 AM to 10:54 AM	Maree Michel GRS IBS Abutment: Lessons Learned	Jesse Rauser LA DOT
10:54 AM to 11:16 AM	Geogrids in unbound layers of road pavements	Chris Quirk NAUE Geosynthetics Ltd
11:16 AM to 11:38 AM	Assessment of Geosynthetics Sustainability in Low Volume Roads	David Suits NAGS
11:38 AM to 12:00 PM	Enhanced Lateral Drainage	Brian Baillie Tencate
12:00 PM to 1:30 PM	<b>Lunch</b>	
Session 7: Moderated by James "Matt" Melton (LA DOT)		
1:30 PM to 1:52 PM	Augered Cast-in-place Piles for Bridge Foundation Support	Morgan NeSmith DFI ACIP Pile Committee
1:52 PM to 2:15 PM	Controlled Modulus Column (CMC) Support for Embankments and MSE Walls– Design and Full-Scale Test Results	Sarah Ramp Menard USA
2:15 PM to 2:37 PM	Micropiling: Bridge Retrofit	John Delphia TX DOT
2:37 PM to 3:00 PM	Design and Construction of Rigid Inclusions	Jeffrey Hill Hayward Baker
3:00 PM to 3:30 PM	<b>Break</b>	
Session 8: Moderated by Ryan Eaves (TX DOT)		
3:30 PM to 3:52 PM	3d Digitization of Rockfall Energy and Bounce Height and Other Potential Applications for DOTs	Michael Salisbury CA DOT
3:52 PM to 4:15 PM	Single Source Data Entry	Scott Deaton, Kevin McLain Dataforensics, MO DOT
4:15 PM to 4:37 PM	FHWA Research update	Jennifer Nicks FHWA - Research
4:37 PM to 5:00 PM	Sight investigation with constructability in mind Constructability	Christopher Clarke OK DOT
Thursday May 12, 2016		
Session 9: FIELD TRIP		
8:00 AM to 5:00 PM	FFIELD TRIP	James Brennan KS DOT