INTERNATIONAL SOCIETY FOR MICROPILES TAKING MIC

TAKING MICROPILES TO NEW HEIGHTS

15th International Workshop On MicropilesThe Sebastian | Vail, ColoradoMay 31-June 2, 2023Workshop Program

Wednesday, May 31, 2023

12:00 PM - 1:00 PM	Registration	
1:00 PM - 1:10 PM	Welcome, Dan MacLean, P.Eng. Keller, Canada	
1:10 PM - 1:55 PM	11th Lizzi Lecture — Introduction: Allen Cadden, P.E., D.GE, F.ASCE Schnabel Engineering, United States Lizzi Lecturer: Erik Lœhr, Ph.D. P.E., University of Missouri Mainstreaming of Micropiles: Probabilistic Calibration of Axial Resistance for Load and Resistance Factor Design	
1:55 PM - 2:30 PM	9th Lizzi Scholarship Presentation — Introduction: Sue Frank TEI Rock Drills, United States Kelly Flanagan North Carolina State University, United States Interface Shear Strength Characterization Between Subsea Installed Micropile Grout and Textured Rock for Micropiles Anchoring Offshore Renewable Ocean Energy Devices	
2:30 PM - 2:45 PM	Break	
Session 1 — Moderator: Ty Jahn, P.E. Condon-Johnson Associates, United States		
2:45 PM - 2:55 PM	4th Micropile World Cup Presentations Introduction: Ty Jahn, Condon-Johnson Associates, United States	
2:55 PM - 3:20 PM	Australasia: Micropiled Cell Towers for the Rural Connectivity Group Neil Jacka Total Ground Engineering and Earth Stability Limited, New Zealand	
3:20 PM - 3:45 PM	Europe: Reconstruction of Railway Bridge in Old Town of Cracow Hubert Zychalak AARSLEFF, Poland	
3:45 PM - 4:10 PM	Africa and Central Asia: Remedial Works to Arrest the Differential Settlement of Foundations of Sabic Building Haytham Hamdan Bullivant Arabia, Saudi Arabia	
4:10 PM - 4:35 PM	North America: Battling the Elements with Helicopters at Elevation 11,260 feet Ty Jahn, P.E. Condon-Johnson Associates, United States	
4:35 PM - 5:00 PM	South and Central America: Installation of Micropiles for the Foundation of the New Furnace at the O-I Peldar Zipaquira Plant Esteban De La Cruz Soto, P.Eng. Ischebeck, Colombia	
5:00 PM - 5:15 PM	Closing	
5:30 PM - 7:30 PM	Welcome Reception, The Sebastian Vail	

Thursday, June 1, 2023

Session 2 — Moderator: Robert Schiermeyer, P.E. | Keller, United States

8:30 AM - 8:35AM	Opening and Introduction of Keynote Speaker
8:35 AM - 9:20 AM	Special Lecture, Colorado DOT A Colorado View of Micropiles in Transportation David Thomas, P.G., P.E. Colorado DOT, United States Also presenting: Sam Abraham and Trey White Colorado DOT, United States
9:20 AM - 9:45 AM	The Role of Micropiles in a Sustainable Deep Foundations Industry Freddy Lopez, M.ScIng. Tiroler Rohre, Germany

Thursday, June 1, 2023 continued

9:45 AM - 10:10 AM	The Hidden Opportunity: Can Micropiles Reduce Cost and Carbon in the Windpower Sector Neil Jacka Total Ground Engineering, New Zealand
10:10 AM - 10:35 AM	Swiss Grid Transmission Towers Racquel Nottingham Ischebeck, Germany
10:35 AM - 10:50 AM	Break
Session 3 — Moderator: Cho	arles Braun, P.E. Williams Form Engineering Corporation
10:50 AM - 11:15 AM	When Heat Treatment Gives You Lemons Justin Toney, P.E. Crux Subsurface, United States
11:15 AM - 11:40 AM	High-Capacity Micropiles with Unique Testing Requirements for Parking Structure Upgrade in Los Angeles Pete Speier, P.E. Williams Form Engineering Corporation, United States
11:40 AM - 12:05 PM	Micropile Install in the Steep Talus, Debris Flow and Basalt of the Columbia River Gorge Brian Olson Crux Subsurface, United States
12:05 PM - 12:30 PM	Durability of Anchorages – A Critical Approach to a Sensitive Topic Andreas Brandner, DiplIng. IB-Brandner, Austria
12:30 PM - 1:30 PM	Lunch
Session 4 — Moderator: Bill	Zietlow, P.E. Brierley Associates Corporation, United States
1:30 PM - 1:55 PM	One Post Office Square Tony Barila Hub Foundations, United States
1:55 PM - 2:20 PM	US Based Design Guidance Updates (ADSC/DFI) FHWA/LRFD Update Allen Cadden, P.E., D.GE, F.ASCE Schnabel Engineering Electric Power Guidance Document Steve Davidow, P.E., S.E., P.Eng. Crux Subsurface Micropile Connector Study Results Helen Robinson, P.E., D.GE GEI Consultants, United States
2:20 PM - 2:45 PM	Micropiles in the Second Generation of Eurocode 7: Geotechnical Design Natalia Maca Titan Polska, Poland
2:45 PM - 3:00 PM	Break
Session 5 — <i>Moderator: Alle</i>	an Herse, CP.Eng. PCA Ground Engineering, Australia
3:00 PM - 3:25 PM	Micropiles – An All-In-One Geotechnical Solution at the Nashville International Airport Will Shaffer, P.E. Dan Brown and Associates, United States
3:25 PM - 3:50 PM	Performance-Based Design and Construction of Micropile Foundations from the Project Engineer of Record Perspective for Building Construction Ralph Rempel Martin/Martin, United States
3:50 PM - 4:00 PM	Break
Session 6 — <i>Moderator: Alle</i>	en Cadden, P.E., D.GE, F.ASCE, Schnabel Engineering, United States
4:00 PM - 5:15 PM	Panel Discussion Results of Micropile Casing Testing Sebastian Montoya-Vargas University of Maine, USA Griffin Lowe, P.E. Condon-Johnson Associates, United States Helen Robinson, P.E., PMP, D.GE GEI Consultants, United States
5:15 PM - 5:25 PM	Closing — Dinner on your own

Friday, June 2, 2023

8:30 AM - 8:40 AM	Opening, Dan MacLean, P.Eng. Keller, Canada			
Session 7 — Moderator: Ma	Session 7 — Moderator: Mary Ellen Large, P.E., D.GE Nicholson Construction Company, United States			
8:40 AM – 9:40 AM	Reticulated Micropiles for Restoration of Historic Structures Foundations after Natural and Manmade Disasters James Mason, Ph.D., P.E. National Park Services, United States			
9:40 AM – 10:05 AM	Reticulation Micropiles for the Preservation and Rehabilitation of Transportation Infrastructure Paul Sauco University of Rhode Island, United States			
10:05 AM – 10:30 AM	Structural Design of the Upper-Cased Length of Micropiles Allen Cadden, P.E., D.GE, F.ASCE Schnabel Engineering, United States			
10:30 AM – 10:45 AM	Break			
Session 8 — Moderator: Cod	ly Telgheder, P.E. Nicholson Construction Company, United States			
10:45 AM – 11:10 AM	Underpinning and Seismic Upgrade of the Salt Lake City Capital Building in Utah Marc Mastrantuono, P.E. Ischebeck, United States			
11:10 AM - 11:35 AM	Micropiles Support New Red Rocks Amphitheater Roof Jeff Wenzel Park Range Construction, United States			
11:35 AM - 12:00 PM	Bronco Billy's Casino, Hotel, and Conference Center – Cripple Creek, CO Robert Schiermeyer, P.E. Keller, United States			
12:00 PM - 12:25 PM	The World's Largest Micropiled Post - Tensioned Raft Foundations in the Kingdom of Bahrain — a Case Study Sharath Kumar Strong Force-MGC W.L.L., Kingdom of Bahrain			
12:25 PM – 1:30 PM	Lunch and World Cup Voting			
Session 9 — John Turner, Ph	.D., P.E., D.GE Dan Brown and Associates, United States			
1:30 PM – 1:55 PM	Micropiles and Shotcrete to Support the Expansion of the New Cedarvale Interchange Station Alex Almeida, P.Eng. Keller, Canada			
1:55 PM - 2:20 PM	Emergency Stabilization of Fountain Slide Rick Deschamps, P.E., Ph.D. Nicholson Construction Company, United States			
2:20 PM – 2:45 PM	A Historical Overview of the Innovative use of Micropiles for Support of Excavation and Facades in Toronto, Canada Erika Acton Isherwood Associates, Canada			
2:45 PM – 3:00 PM	Break			
Session 10 — Moderator: Andreas Brandner, DiplIng IB-Brandner, Austria				
3:00 PM - 3:25 PM	Australasia World Cup Runner Up: Micropiled Pedestrian and Cyclist Bridge Foundation – Parramatta, Sydney, Australia Allan Herse, CP.Eng. PCA Ground Engineering, Australia			
3:25 PM – 3:50 PM	South American World Cup Runner Up: Dealing with Bending Moments at Micropile Heads in Seismic Regions Aldo Guzman Soilforce, Chile			
3:50 PM – 4:15 PM	North American World Cup Runner Up: Prairie Du Sac Dam Rick Deschamps, P.E., Ph.D. Nicholson Construction Company, United States			
4:15 PM - 4:40 PM	European World Cup Runner Up — Visitor Service Center at Auschwitz-Birkenau Museum (Poland) Challenging Underpinning in the Important Historic Area Natalia Maca Titan Polska, Poland			
4:40 PM – 4:45 PM	Closing, Dan MacLean, P.Eng. Keller, Canada			
4:45 PM – 6:30 PM	Free Time			
6:30 PM – 7:00 PM	Awards Reception			
7:00 PM - 10:00 PM	Awards Dinner			





SYSTEMS

