

**15th International Workshop On Micropiles**  
**The Sebastian | Vail, Colorado**  
**May 31-June 2, 2023**

**Preliminary Program\***

## Wednesday, May 31, 2023

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| 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, FASCE   Schnabel Engineering, United States<br>Lizzi Lecturer: J. Erik Løehr, Ph.D. P.E., University of Missouri |
| 1:55 PM - 2:25 PM  | 9th Lizzi Scholarship Presentation — Introduction: Sue Frank   TEI Rock Drills, United States   |
| 2:25 PM - 2:30 PM  | Introduction: 4th Micropile World Cup Competition   |
| 2:30 PM - 2:45 PM  | Break   |

### **Session 1 — Moderator: Ty Jahn, P.E. | Condon-Johnson Associates, United States**

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|-------------------|---------------------------------------|
| 2:45 PM - 4:35 PM | 4th Micropile World Cup Presentations |
| 4:35 PM - 4:45 PM | Closing                               |
| 5:30 PM - 7:30 PM | Welcome Reception, The Sebastian Vail |

## Thursday, June 1, 2023

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

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| 8:30 AM - 8:35AM    | Opening and Introduction of Keynote Speaker   |
| 8:35 AM - 9:20 AM   | Special Lecture, Colorado DOT   |
| 9:20 AM - 9:45 AM   | The Role of Micropiles in a Sustainable Deep Foundations Industry<br>Freddy Lopez, M.Sc.-Ing.   Tiroler Rohre, Germany                      |
| 9:45 AM - 10:10 AM  | The Hidden Opportunity: Can Micropiles Reduce Cost and Carbon in the Windpower Sector<br>Neil Jacka   Total Ground Engineering, New Zealand |
| 10:10 AM - 10:35 AM | Swiss Grid Transmission Towers<br>Racquel Nottingham   Ischebeck, Germany   |
| 10:35 AM - 10:50 AM | Break   |

### **Session 3 — Moderator: John Turner, Ph.D., P.E., D.GE | Dan Brown and Associates, United States**

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|---------------------|--|
| 10:50 AM - 11:15 AM | When Heat Treatment Gives You Lemons...<br>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<br>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<br>Brian Olson   Crux Subsurface, United States   |
| 12:05 PM - 12:30 PM | Durability of Anchorages – A Critical Approach to a Sensitive Topic<br>Andreas Brandner, Dipl.-Ing.   IB-Brandner, Australia   |
| 12:30 PM - 1:30 PM  | Lunch  |

## Thursday, June 1, 2023 continued

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- 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  
Jesús Gómez, Ph.D., P.E., D.GE | GEI Consultants
- 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 4 — Moderator: Allan 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 5 — Moderators: Donald Bruce, Ph.D., D.GE, C.Eng., L.G., L.E.G. | Geosystems, United States Ty Jahn, P.E. | Condon-Johnson Associates, United States**

- 4:00 PM - 5:15 PM Panel Discussion Results of Micropile Casing Testing  
Aaron Gallant, Ph.D., P.E. | University of Maine, United States  
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

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- 8:30 AM - 8:40 AM Opening, Dan MacLean, P.Eng. | Keller, Canada

### **Session 6 — 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 7 — Moderator: Cody 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. | Matt Sotirin, 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  
Joshua Hughes | Keller, United States
- 12:00 PM - 12:25 PM Merchants Bridge  
Aaron Evans | Nicholson Construction Company, United States
- 12:25 PM - 1:30 PM Lunch

## Friday, June 2, 2023 continued

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### Session 8 — Moderator: *Andreas Brandner, Dipl.-Ing | IB-Brandner, Austria*

- 1:30 PM - 3:10 PM 4th Micropile World Cup Presentations  
3:10 PM - 3:30 PM Break

### Session 9 — Moderator: *Charles Braun, P.E. | Williams Form Engineering Corporation*

- 3:30 PM - 3:55 PM Micropiles and Shotcrete to Support the Expansion of the New Cedarvale Interchange Station  
Alex Almeida, P.Eng. | Keller, Canada
- 3:55 PM - 4:20 PM Emergency Stabilization of Fountain Slide  
Rick Deschamps, P.E., Ph.D. | Nicholson Construction Company, United States
- 4:20 PM - 4:45 PM A Historical Overview of the Innovative use of Micropiles for Support of Excavation and Facades  
in Toronto, Canada  
Nadir Ansari | Isherwood Associates, Canada
- 4:45 PM - 5:00 PM Closing, Dan MacLean, P.Eng. | Keller, Canada
- 6:00 PM - 9:00 PM Awards Dinner

\* Program subject to change

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For more information, please contact:

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