



S3: Slope - Support - Stabilization

Renaissance Minneapolis Hotel, The Depot | Minnesota

August 6-8, 2019 | www.dfi.org/S3-2019

TECHNICAL PROGRAM and SCHEDULE OF EVENTS*

TUESDAY, AUGUST 6, 2019 - PRE-CONFERENCE EVENTS

-All Functions are on the First Floor-

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| 4:00 PM - 8:00 PM | Exhibitor Set-Up Depot Pavillion |
| 4:30 PM - 6:00 PM | Deep Foundations for Landslides/Slope Stabilization Committee Meeting Rock Island |
| 6:15 PM | Departure for Women in Deep Foundations Night at the Ballpark
-Meet in Hotel Lobby-
Minnesota Twins vs. Atlanta Braves at Target Field
(Game begins at 7:10 PM) |

WEDNESDAY, AUGUST 7, 2019 - DAY ONE

-All Functions are on the First Floor-

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| 7:00 AM - 8:00 AM | Registration Winter Garden
Networking Breakfast and Exhibition Depot Pavillion
Speakers Preparation Great Hall |
| -All Sessions will be held in the Great Hall- | |
| 8:15 AM - 8:30 AM | Welcome and Introductions
<i>Chris Ramsey, P.E. Wood Environment & Infrastructure Solutions, Inc., USA</i>
<i>Jeff Segar, P.E., S.E. Braun Intertec, USA</i>
<i>Ed Laczynski, P.E. Wagman Heavy Civil, USA</i> |
| 8:30 AM - 9:15 AM | Slope Stability Calculations
<i>Stephen Wright, Ph.D., P.E. University of Texas at Austin, USA</i> |
| 9:15 AM - 9:45 AM | Land Instability and Landslide Impacts on Minnesota's Roads and Bridges: Selected Project Highlights Describing Assessment, Investigation, Design, Construction, and Performance Monitoring
<i>Derrick Dasenbrock, P.E., D.GE Minnesota DOT, USA</i> |
| 9:45 AM - 10:00 AM | Software Discussion Introduction |
| 10:00 AM - 10:30 AM | Networking Break and Exhibition Depot Pavillion |

10:30 AM - 11:00 AM	Comparison of Analysis/Design Methods for Slope Stabilization <i>Yuderka Trinidad-Gonzalez, M.S., Ohio State University, USA</i>
11:00 AM - 11:30 AM	Evaluation of 2D vs. 3D Anchor Analysis Approaches <i>Murray Fredlund, Ph.D., P.Eng. and Ruth McKeown, M.Eng., P.Eng. Bentley Canada Inc, Canada</i>
11:30 AM - Noon	3D Slope Stability Analysis for a Landslide in Marlboro Clay Formation <i>Jeff Lam, M.Eng., P.Eng. Rocscience, Canada</i>
Noon - 12:30 PM	Design by Numerical Methods of a Pile Supported Landslide Stabilization in Encino, California <i>Daniel Pradel, Ph.D, P.E., G.E., D.GE Ohio State University, USA</i>
12:30 PM - 1:30 PM	Networking Lunch and Exhibition Depot Pavillion
1:30 PM - 2:00 PM	Restoring RW5 at Yeager Airport: Design and Construction of a Tall Retaining Wall on the Side of a Mountain Using Risk-Based Design <i>Johanna Simon, P.E. and Allen Cadden, D.GE, P.E. Schnabel Engineering, USA</i>
2:00 PM - 2:30 PM	SR 30 Emergency Landslide Repair, When a Plan Comes Together <i>Brian Heinzl, P.E. Gannett Fleming, Inc., USA</i>
2:30 PM - 3:00 PM	Installing a Soldier Pile & Lagging Wall Entirely in Uncontrolled Fill Next to an Active Highway <i>Yaser Taheri, P.E. and Robert Ross Moretrench, USA</i>
3:00 PM - 3:30 PM	Networking Break and Exhibition Depot Pavillion
3:30 PM - 4:00 PM	Rigid Inclusions for MSE Wall Support at Bridge Approach in Forest Lake, Minnesota <i>Alex Potter-Weight, P.E. Menard Group USA Gregory Reuter, P.E., P.G., D.GE American Engineering Testing, USA</i>
4:00 PM - 4:30 PM	Solving Site Constraints and Stability Problems using Safe Working Platforms <i>Damian Siebert, P.E. and Wystan Carswell, Ph.D., P.E. Haley & Aldrich, USA</i>
4:30 PM - 5:00 PM	Case Study: MSE Wall Repair and Construction Topics <i>Dru Miller, P.E. GeoStabilization International, USA</i>
5:00 PM - 6:30 PM	Networking Reception and Exhibition Depot Pavillion

(next page for Day Two)

THURSDAY, AUGUST 8, 2019 - DAY TWO
-All Functions are on the First Floor-

7:15 AM - 8:15 AM **Registration | Winter Garden**
Networking Breakfast and Exhibition | Depot Pavillion
Speakers Preparation | Great Hall

All Sessions will be held in the Great Hall | 1st Floor

8:15 AM - 8:30 AM **Welcome and Introductions**
Chris Ramsey, P.E. | Wood Environment & Infrastructure Solutions, Inc., USA
Jeff Segar, P.E., S.E. | Braun Intertec, USA
Ed Laczynski, P.E. | Wagman Heavy Civil, USA

8:30 AM - 9:00 AM **Metropolitan Soil Nail, Shotcrete and Micropiles in Karst Geology**
Ed Laczynski, P.E. | Wagman General Construction, USA

9:00 AM - 9:30 AM **Bedrock Characterization from Investigation through Excavation in New York City**
Robert Garfield, P.G. | Hager-Richter Geoscience, Inc., USA
Scott Garfield, P.E., P.G. | Langan Engineering, USA

9:30 AM - 10:00 AM **Block and Anchor Slope Stabilization of US HWY 2 in Burlington, ND**
Justice Harvieux | Hayward Baker, Inc., USA

10:00 AM - 10:30 AM **Passive (Micro-)Seismic Event Detection for Slope Stability Monitoring**
Gerald Verbeek, M.Sc | Verbeek Management Services, USA
Erick Baziw, Ph.D. | Baziw Consulting Engineers, Ltd., USA

10:30 AM - 11:00 AM **Networking Break and Exhibition | Depot Pavillion**

11:00 AM - 12:30 PM **Software Discussion and Panel Webinar**

12:30 PM - 1:30 PM **Networking Lunch and Exhibition | Depot Pavillion**

1:30 PM - 2:00 PM **Use of Soil Nail Walls for Temporary Excavation Support of a 60-Foot (18-meter) Deep Excavation in Downtown Madison, WI**
Chad Underwood, P.E., P.G., D.GE | Engineering Partners, USA

2:00 PM - 2:30 PM **Support of Excavation System for a Deep Excavation which has a Site Access Problem**
Meeok Kim, Ph.D., P.E. | Thornton Tomasetti, USA

2:30 PM - 3:00 PM **Pile-and-Plate Slope Reinforcing Solutions for Shallow Slides**
Matt Caskey, P.E. | Geopier Foundation Company, Inc., USA

3:00 PM - 3:30 PM **Networking Break and Exhibition | Depot Pavillion**

3:30 PM - 4:00 PM **Slope Stabilization with Deep Foundation Elements: What Controls?**
Sebastian Lobo-Guerrero, Ph.D., P.E. | American Geotechnical and Environmental Services Inc., USA

4:00 PM - 4:30 PM

Stabilization of a Large Landslide impacting Highway 73 in the Missouri River Badlands

*Jed Greenwood, P.E., P.G., D.GE and Farzaan Abbasy, Ph.D., P.Eng.
Barr Engineering Co., USA*

4:30 PM - 5:00 PM

Adaptive Slope Stabilization for River Remediation

Michael Byle, P.E., D. GE and Rakam Tamang, P.E. | Tetra Tech, Inc., USA

5:00 PM - 5:15 PM

Closing Remarks

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