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Conference Information

Wi-Fi Access Info
Network Name (SSID): CONFERENCE | Passcode: S3is4me

To Access Online Proceedings
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Registration Hours | Winter Garden
Tuesday, August 6 ......................................... 4:00 p.m. – 6:00 p.m.
Wednesday, August 7 ................................... 7:00 a.m. – 5:30 p.m.
Thursday, August 8 ....................................... 7:15 a.m. – 5:15 p.m.

Exhibit Hall Hours | Depot Pavilion
Tuesday, August 6 (Set-Up) .................. 4:00 p.m. – 8:00 p.m.
Wednesday, August 7 ................................... 7:00 a.m. – 6:30 p.m.
Thursday, August 8 ....................................... 7:15 a.m. – 3:30 p.m.
Thursday, August 8 (Break-Down) ........3:30 p.m. – 5:30 p.m.

DFI Women in Deep Foundations Committee Fundraiser
Night at the Ballpark | Target Field
Tuesday, August 6
Minnesota Twins vs. Atlanta Braves at Target Field
Advanced Ticket Purchase Required

Departure Point: Meet in Hotel Lobby at 6:00 p.m.
Group will take the Light Rail to the park.
Cost: About $2.00 each way. Game begins at 7:10 p.m.

Arriving to the Ballpark on your own?
Visit www.metrotransit.org/twins for rail schedules.
### Pre-Conference Schedule* | Tuesday, August 6

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 p.m. - 6:00 p.m.</td>
<td>Conference Registration</td>
</tr>
<tr>
<td>4:00 p.m. - 8:00 p.m.</td>
<td>Exhibitor Set-Up</td>
</tr>
<tr>
<td>4:30 p.m. - 6:00 p.m.</td>
<td>Deep Foundations for Landslides/Slope Stabilization Committee Meeting</td>
</tr>
<tr>
<td>6:15 p.m.</td>
<td>Departure for Women in Deep Foundations Committee Night at the Ballpark</td>
</tr>
</tbody>
</table>

*All Functions are on the First Floor*

**Conference Schedule* | Day One | Wednesday, August 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m. - 8:00 a.m.</td>
<td>Conference Registration</td>
</tr>
<tr>
<td></td>
<td>Networking Breakfast and Exhibition</td>
</tr>
<tr>
<td></td>
<td>Moderators &amp; Speakers Technical Rehearsal</td>
</tr>
</tbody>
</table>

*All Sessions will be held in the Great Hall*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 a.m. - 10:00 a.m.</td>
<td>OPENING PLENARY SESSION</td>
</tr>
<tr>
<td>8:15 a.m. - 8:30 a.m.</td>
<td>Welcome and Introductions</td>
</tr>
<tr>
<td>8:30 a.m. - 9:15 a.m.</td>
<td>Slope Stability Calculations</td>
</tr>
<tr>
<td>9:45 a.m. - 10:00 a.m.</td>
<td>Software Discussion Introduction</td>
</tr>
<tr>
<td>10:00 a.m. - 10:30 a.m.</td>
<td>Networking Break and Exhibition</td>
</tr>
<tr>
<td>10:30 a.m. - 12:30 p.m.</td>
<td>PLENARY SESSION 2</td>
</tr>
<tr>
<td>10:30 a.m. - 11:00 a.m.</td>
<td>Comparison of Analysis/Design Methods for Slope Stabilization</td>
</tr>
<tr>
<td>11:00 a.m. - 11:30 a.m.</td>
<td>Evaluation of 2D vs. 3D Anchor Analysis Approaches</td>
</tr>
<tr>
<td>11:30 a.m. - Noon</td>
<td>3D Slope Stability Analysis for a Landslide in Marlboro Clay Formation</td>
</tr>
<tr>
<td>Noon - 12:30 p.m.</td>
<td>Design by Numerical Methods of a Pile Supported Landslide Stabilization in Encino, California</td>
</tr>
<tr>
<td>12:30 p.m. - 1:30 p.m.</td>
<td>Networking Lunch and Exhibition</td>
</tr>
<tr>
<td>1:30 p.m. - 3:00 p.m.</td>
<td>PLENARY SESSION 3</td>
</tr>
<tr>
<td>1:30 p.m. - 2:00 p.m.</td>
<td>Restoring RW5 at Yeager Airport: Design and Construction of a Tall Retaining Wall on the Side of a Mountain</td>
</tr>
<tr>
<td>2:00 p.m. - 2:30 p.m.</td>
<td>SR 30 Emergency landslide Repair, When a Plan Comes Together</td>
</tr>
<tr>
<td>2:30 p.m. - 3:00 p.m.</td>
<td>Installing a Soldier Pile &amp; Lagging Wall Entirely in Uncontrolled Fill Next to an Active Highway</td>
</tr>
<tr>
<td>3:00 p.m. - 3:30 p.m.</td>
<td>Networking Break and Exhibition</td>
</tr>
<tr>
<td>3:30 p.m. - 5:00 p.m.</td>
<td>PLENARY SESSION 4</td>
</tr>
<tr>
<td>3:30 p.m. - 4:00 p.m.</td>
<td>Rigid Inclusions for MSE Wall Support at Bridge Approach in Forest Lake, Minnesota</td>
</tr>
<tr>
<td>4:00 p.m. - 4:30 p.m.</td>
<td>Solving Site Constraints and Stability Problems using Safe Working Platforms</td>
</tr>
<tr>
<td>4:30 p.m. - 5:00 p.m.</td>
<td>Case Study: MSE Wall Repair and Construction Topics</td>
</tr>
<tr>
<td>5:00 p.m. - 6:30 p.m.</td>
<td>Networking Reception and Exhibition</td>
</tr>
</tbody>
</table>

*Subject to Change*
### CONFERENCE SCHEDULE | DAY TWO | THURSDAY, AUGUST 8

*All Functions are on the First Floor*

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
</table>
| 7:15 a.m. - 8:15 a.m. | Registration | Winter Garden  
Networking Breakfast and Exhibition | Depot Pavilion  
Moderators & Speakers Technical Rehearsal | Great Hall |

*All Sessions will be held in the Great Hall*

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Moderator(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 a.m. - 12:30 p.m.</td>
<td>PLENARY SESSION 5</td>
<td>Excavation Support and Stabilization (Tiebacks)</td>
</tr>
</tbody>
</table>
Moderator for Morning Sessions: Jeff Seger, P.E., S.E., DFI-ADSC Anchored Earth Retention Committee Co-Chair  
Braun Intertec, USA  
Welcome and Introductions  
Chris Ramsey, P.E.  | Wood Environment & Infrastructure Solutions, Inc., USA  
Ed Laczynski, P.E.  | Wagman Heavy Civil, USA  
Metropolitan Soil Nail, Shotcrete and Micropiles in Karst Geology  
Ed Laczynski, P.E.  | Wagman Heavy Civil, USA  
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  
Block and Anchor Slope Stabilization of US HWY 2 in Burlington, ND  
Justice Harvieux  | Hayward Baker, Inc., USA  
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  |
| 8:15 a.m. - 8:30 a.m. | Welcome and Introductions | Chris Ramsey, P.E.  
Ed Laczynski, P.E. |
| 8:30 a.m. - 9:00 a.m. | Metropolitan Soil Nail, Shotcrete and Micropiles in Karst Geology | Ed Laczynski, P.E.  
Wagman Heavy Civil, USA |
| 9:00 a.m. - 9:30 a.m. | 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 a.m. - 10:00 a.m. | Block and Anchor Slope Stabilization of US HWY 2 in Burlington, ND | Justice Harvieux  | Hayward Baker, Inc., USA |
| 10:00 a.m. - 10:30 a.m. | 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 |
| 11:00 a.m. - 12:00 p.m. | Networking Break and Exhibition | Depot Pavilion |
| 12:30 p.m. - 1:30 p.m. | Software Discussion and Panel Webinar | Facilitator: John Wolosick, P.E., D.GE  
Hayward Baker Inc.  
Varun Varun, Ph.D.  | Itasca Consulting Group, USA  
Jeff Lam, M.Eng., P.Eng, and Sina Javankhoshdel, Ph.D.  | Roscience, Canada  
Murray Fredlund, Ph.D., P.Eng and Mitchell Bauche  | Bentley Systems Inc., Canada |
| 1:30 p.m. - 2:00 p.m. | PLENARY SESSION 6 | Ground Improvement |  
Moderator for Afternoon Sessions: Johanna Simon, P.E., S3-2019 Program Chair  
Schnabel Engineering, USA  
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 p.m. - 2:30 p.m. | 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 p.m. - 3:00 p.m. | Pile-and-Plate Slope Reinforcing Solutions for Shallow Slides | Matt Caskey, P.E.  | Geopier Foundation Company, Inc., USA |
| 3:00 p.m. - 3:30 p.m. | Networking Break and Exhibition | Depot Pavilion |
| 3:30 p.m. - 4:00 p.m. | PLENARY SESSION 7 | SSI Case Histories and Stabilization with Tiebacks |  
Slope Stabilization with Deep Foundation Elements: What Controls?  
Sebastian Lobo-Guerrero, Ph.D., P.E.  | American Geotechnical and Environmental Services Inc., USA |
| 4:00 p.m. - 4:30 p.m. | Stabilization of a Large Landslide impacting Highway 73 in the Missouri River Badlands | Aaron Grosser, P.E., P.Eng, D.GE  | Barr Engineering Co., USA |
| 4:30 p.m. - 5:00 p.m. | Adaptive Slope Stabilization for River Remediation | Rakam Tamang, P.E.  | Tetra Tech, Inc., USA |
| 5:00 p.m. - 5:15 p.m. | Closing Remarks |  |

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Veit is among the most respected specialty contracting companies in the nation. With more than 700 employees and an unmatched commitment to safety, Veit is on site and on task at many of the most critical points of a commercial, municipal, or industrial construction projects. Specialty contracting services include earthwork, foundations, demolition underground utilities, hydraulic dredging, industrial cleaning and more.

WILLIAMS FORM ENGINEERING CORP. | BOOTH 1
8165 Graphic Drive, Belmont, MI 49306, USA • Phone: +1 (616) 866-0815
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Steve Kamp • skamp@williamsform.com
Williams Form Engineering Corporation has been providing threaded steel bars and accessories for rock anchors, soil anchors, high capacity concrete anchors, micropiles, tie rods, tiebacks, strand anchors, hollow bar anchors, post tensioning systems, and concrete forming hardware systems in the construction industry for over 95 years.

*As of 7/17/19*
Deep Foundations for Landslides/
Slope Stabilization Committee Meeting

Departure Point for WiDF Night at the Ballpark

Exhibit Hall | Depot Pavilion

Networking, Breakfasts, Breaks and Lunch

Exhibitors:

- DFI
- Williams Form Engineering
- Braun Intertec
- Rocscience
- Itasca Consulting Group, Inc
- Geopier Foundation Company
- Foothills Drilling Equipment Inc.
- TEI Rock Drills Inc.
- Bentley Systems
- Ramsey Companies, Inc
- GeoBrugg, North America
- Engineering & Construction Innovations, Inc.
- Equipment Corp. of America
- Veit & Company, Inc.
- Atlas Foundation Company
- Geo-Instruments
- Hayward Baker, Inc.
- Richard Goettle, Inc.
- Giken Ltd.
- DeWind One Pass Trenching
- Dywidag-Systems International
- Pieresearch
- Heliwalls LLC
- Berkel and Co. Contractors, Inc.
- International Drilling Equipment
- Rembco Geotechnical

*As of 7/17/19
INVITATION TO SPEAKERS: CALL FOR ABSTRACTS

ABSTRACT DEADLINE: JANUARY 17, 2020

EVENT DESCRIPTION
Eight committees of Deep Foundations Institute (DFI) are inviting presentations for a two-day technical conference on the effective application of deep foundations, ground improvement, and soil mixing for stabilization of slopes and excavation support. The following DFI Committees are collaborating to present this seminar:

• Anchored Earth Retention
• Drilled Shafts
• Ground Improvement
• Landslides and Slope Stabilization
• Seismic and Lateral Loads
• Slurry Walls
• Soil Mixing
• Subsurface Characterization
• Testing and Evaluation

The goal of the event is to provide presentations and panel discussions on current technologies, design concepts, research, and case histories for challenging slope and landslide repairs, excavation support and slope stabilization projects using deep foundation and ground improvement methods. Presentations highlighting seismic loading conditions and analysis, and applications with significant groundwater control aspects are encouraged. Complete details of the event as plans progress can be found at www.dfi.org/S3-2020.

PRESENTATION ABSTRACT SUBMISSION
Presentation proposals are solicited on the following topics:

• Design
• Case Studies
• Seismic Loading Conditions and Analyses
• Safe Working Platforms
• Project Access Challenges
• Quality Control and Inspection
• Groundwater Effects and Impacts
• Long-term Maintenance
• Corrosion Protection
• Innovative Applications and Techniques
• Lateral Spreading
• Monitoring and Inspection

For panel discussion proposals, please include in your abstract a brief description of the topic of the panel and a list of proposed panelists.

DEADLINE: Submit a 300-word abstract by Friday, January 17, 2020 at www.dfi.org/S3-2020.

Notification of acceptance and guidelines for developing presentations will be returned to all submitters no later than Friday, March 13, 2020. Authors of accepted proposals will be required to commit to presenting their topic at the conference and will be required to submit a PowerPoint presentation by Friday, June 26, 2020. Though full papers are not required for this conference, accepted authors are invited to develop their abstracts into technical papers for consideration by the editors of the DFI Journal for a future volume or as technical articles for consideration by the executive editor of Deep Foundations magazine.

Please direct questions to:
DEEP FOUNDATIONS INSTITUTE | S3 Organizing Committee | 326 Lafayette Avenue | Hawthorne, NJ 07506 | USA
Tel: (973) 423-4030 | Fax: (973) 423-4031 | Email: events@dfi.org
Welcome Reception

Hotel Room Key

Breakfast/Break

Lanyard

Pen

Student Attendee

www.dfi.org/S3-2019

*As of 7/17/19