DFI45 Annual Conference on Deep Foundations | October 27-30, 2020 | Online Conference

DFI 45 Annual Conference Organizing Committee

Conference Chair
Sebastian Lobo-Guerrero, P.E., Ph.D.
American Geotechnical and Environmental Services (A.G.E.S.)

Technical Program Co-Chairs
Jennifer Nicks, Ph.D., P.E., FHWA
Gregg Piazza, P.E., GeoStructures, Inc.

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Becky Wade, Equipment Corporation of America (ECA)

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Keith Darvalics, Sunbelt Rentals, Inc.
Diana Goodwin, P.G., MSCEM, Foundation Test Group, Inc.

Facilities
Diana Goodwin, P.G., MSCEM, Foundation Test Group, Inc.
Jamie Govey, Equipment Corporation of America (ECA)
Denise Regiec, Foundation Test Group, Inc.
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David Anderson, P.E., ECS Mid-Atlantic, LLC
Shana M. Carroll, P.E., LEED AP BD+C, D.W. Kozera, Inc.

Sponsorships
Becky Wade, Equipment Corporation of America (ECA)

Student Activities
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Margaret Tomeo, P.E., AECOM

Technical Program Committee
Adda Athanasopoulos-Zekkos, Ph.D., University of California, Berkeley
Aditya Ayithi, Ph.D., P.E., 3C Drilling, LLC
Gregg Batchelder Adams, P.E., U.S. Army Corps of Engineers
Vanessa Bateman, P.G., P.E., D.GE | U.S. Army Corps of Engineers
Jonathan K. Bennett, P.E., D.GE, Wagman Heavy Civil
John Caccese, Earth Engineering, Inc.
Jose L.M. Clemente, Ph.D., P.E., D.GE, F.ASCE, Bechtel NSBE
Sixto Fernandez, P.E., GEI Consultants
Diana Goodwin, P.G., MSCEM, Foundation Test Group, Inc.
Hannah Iezzoni, P.E., Keller
Valerie Merida, P.E., GeoStructures, Inc.
Harry W. Schnabel, P.E., Schnabel Geosstructural Design and Construction
Abhijit R. Sheth, P.E., Gannett Fleming, Inc.
Daniel Stevenson, P.E., Berkel & Co. Contractors, Inc.
Armin W. Stuedlein, Ph.D., P.E., Oregon State University

DFI Educational Trust-5K
Andrew Verity, Chair, Terracon
Hannah Iezzoni, P.E., Keller-North America

Committee Members
Majed Abdelhadi, FHWA
Mounir Abouzakhm, P.E., FHWA
Behzad Amir-Faryar, Professional Service Industries, Inc.
William J. Baker, III, University of Delaware
Bill Billiet, Schnabel Engineering, LLC
Frederick (Rick) A. Brinker, P.E., Penmoni Associates, Inc.
Nina Carney, P.E., Menard
John Damm, P.E., Bechtel Power Corporation
Jiwei Duan, Ph.D., P.E., Maryland State Highway
Nathan Dumas, P.E., Schnabel Engineering, LLC
Raja El-Awar, P.E., MSCE, FES Group, LLC
Christine Fletcher, Foundation Test Group, Inc.
Jared Green, P.E., D.GE, Langan
Ernest Hanna, P.E., GZA Environmental, Inc.
Ronald Manney, P.E., Langan
Daniel Marano, P.E., Penmoni Associates, Inc.
Valerie Merida, P.E., GeoStructures, Inc.
Mohammad Nasim, Ph.D., P.E., Terracon
Denise Regiec, Foundation Test Group, Inc.
Vinay Singhal, P.E., HDR Engineering, Inc.
Greg Swanberg, Sunbelt Rentals, Inc.
Gilbert R. Tallard, Liquid Earth Support, Inc.

Deep Foundations Institute
Theresa Engler, Executive Director
Mary Ellen Large, P.E., D.GE, Director of Technical
Angie Gibble, Meetings and Events Specialist
Jaime Cettina, Professional Development Coordinator
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|                      | QUANTA Subsurface         |                           | FORM ENGINEERING &
Welcome & Tutorial of Features
DFI Staff

Explore Platform: Exhibit Booths, Exhibitor Video Chats

Awards Reception:
Women in Deep Foundations Grant Recipients:
Meghan Brassard, P.E. | Haley & Aldrich
Julia Chessa | Menard Group USA
Taylor DaCanal | American Geotechnical and Environmental Services
Akhila Manne | Keller Ground Engineering (India)
Ingrid Tomac, Ph.D. | University of California, San Diego

Young Professor Paper Competition Winner:
Alejandro Martinez, Ph.D. and Kyle O’Hara, Ph.D. | University of California, Davis

Student Paper Competition Winner:
Rabie Farrag | University of California, Irvine

Distinguished Service Award:
Kalavacharla Sree (K.S.) Rama Krishna, Ph.D.
Chairman, DFI of India

Outstanding Project Award:
Chase Center, San Francisco
Langan Engineering and Environmental Services, Malcolm Drilling Company, and Condon-Johnson & Associates
Presented by:
Lori Simpson, P.E., G.E.
Langan Engineering and Environmental Services

Welcome Reception - Hosted Lounges

DFI45 Technical Committee Meetings are Post-Conference

The DFI45 Annual Conference Technical Committee Meetings will be held post-conference during the first and second week of November. See page 13 of this program for the schedule.

All presentations are in Eastern Daylight Time (EDT)

3:00 p.m. - 3:15 p.m.
Welcome & Tutorial of Features
DFI Staff

3:15 p.m. - 4:00 p.m.
Explore Platform: Exhibit Booths, Exhibitor Video Chats

4:00 p.m. - 5:00 p.m.
Awards Reception:
Women in Deep Foundations Grant Recipients:
Meghan Brassard, P.E. | Haley & Aldrich
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Presented by:
Lori Simpson, P.E., G.E.
Langan Engineering and Environmental Services

5:00 p.m. - 6:00 p.m.
Welcome Reception - Hosted Lounges

*Subject to change
DFI Educational Trust-5K
Andrew Verity, Chair, Terracon
Hannah Iezzoni, P.E., Keller-North America

Welcome and Opening
Sebastian Lobo-Guerrero, Ph.D., P.E. | American Geotechnical & Environmental Services, Inc. and Theresa Engler | Deep Foundations Institute

Keynote Presentation: A Tale of a Thriving City and the Deep Foundations that Support It
Bill Khouri, P.E. | Schnabel Engineering DC

Whether a project is large or small, local experience reigns supreme and continues to be paramount in geotechnical practice. This is particularly prevalent in the Nation’s Capital, where city planners with limited geotechnical and geologic knowledge and a bold vision created a striking city over 200+ years ago. Discussion on the underground challenges of working in the District, inclusive of ancient creeks/tributaries, buried channels, two distinct geologies, aged utilities, metro tunnels, and man-made fills and dredged materials used to create “new” land and how they lead to the need for deep foundations. We will look at a few iconic case histories in our nation’s capital to see how the geotechnical community rose to the challenges.

Panel Presentations and Discussion – The Influence of Government Guidelines and Specifications on Industry Practice
Moderators: Jennifer Nicks, Ph.D., P.E. | Federal Highway Administration
Gregg Piazza, P.E. | GeoStructures, Inc.

Speakers:
Dams and Levees: Vanessa Bateman, P.G., P.E., D.GE | U.S. Army Corps of Engineers
Tunnels: Steve Harelson, P.E. | Colorado Department of Transportation
Highways and Bridges (FHWA and AASHTO):
Silas Nichols, P.E. | Federal Highway Administration

Network Break

Plenary – DC Area Case Histories
Moderator: Valerie Merida, P.E. | GeoStructures, Inc.

Excessive Pile Breakage During Construction of the Gaylord National Resort and Conference Center, a Look Back 15 Years Later
Karl Higgins, P.E., D.GE | ECS Mid-Atlantic LLC

Deflection-Based Design for the Capitol Crossing Support of Excavation
Harald Ludwig, Ph.D., P.E. | Schnabel Geosructural Design and Construction

2100 L Street Underpinning & Support of Excavation
Charles Conlon, P.E., S.E. | Schnabel Geosructural Design and Construction

Large Diameter Auger Cast Piles at Audi Field, DC United’s New Soccer Stadium
Christophe Locussol, P.E. | GEI Consultants, Inc.

Discussion

Network Break

*Subject to change
# Day One (continued) | Wednesday, October 28

**All presentations are in Eastern Daylight Time (EDT)**

### 3:30 p.m. - 4:45 p.m.

#### Parallel Sessions 1A & 1B

**Parallel Session 1A**

<table>
<thead>
<tr>
<th>National Case Histories</th>
<th>Experimental Research in Deep Foundations</th>
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<tr>
<td><strong>Moderator:</strong> Hannah Iezzoni, P.E.</td>
<td><strong>Moderators:</strong> Armin W. Stuedlein, Ph.D., P.E.</td>
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- Building Above and Excavating Below an Iconic Building in Manhattan  
  **Seth Martin, P.E.** | Langan Engineering and **and Ronald Peralta** | John Civetta & Sons, Inc. |

- Boston Waterfront Redevelopment: Re-use of Existing Pier Piles to House Future Generations  
  **John Briand, P.E.** | CDM Smith, Inc. |

- A Case Study: Soil Setup For Piles Driven into Eastern Coastal Plain Deposits in Virginia  
  **Sushant Upadhyaya, Ph.D., P.E.** | Terracon Consultants Inc. |

- Texas Capitol Complex Phase 1 Expansion – Retention System Design & Construction  
  **Charles Luxford, P.E., D.GE, S.E.** | Brierley Associates |

- Centrifuge Modeling of the Axial Behavior of Helical Piles  
  **Richard Schmidt, P.Eng.** | Almita Piling  
  **Weidong Li, Ph.D.** | University of Alberta |

- Foundation Soil Strength Characterization of Coastal Plain Deposits Along I-64 Corridor in Virginia  
  **Deniz Karadeniz, Ph.D., P.G., P.E.** | Terracon Consultants, Inc. |

- Large-Scale Shake Table Experiment on the Performance of Helical Piles in Liquefiable Soils  
  **Ramin Motamed, Ph.D., P.E.** | University of Nevada, Reno |

| Discussion | Discussion |

### 4:45 p.m. - 5:30 p.m.

**Hal Hunt Lecture:**  
**An Overview of the Federal Commemorative Works Process in Washington, DC**  
**Michael Sherman,** Director of Policy and Research at the National Capital Planning Commission

### 5:30 p.m. - 5:45 p.m.

**Closing Remarks**  
**Sebastian Lobo-Guerrero, Ph.D., P.E.** | American Geotechnical & Environmental Services, Inc. and **Theresa Engler** | Deep Foundations Institute

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<th>Time</th>
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<tr>
<td>11:00 a.m. - 11:15 a.m.</td>
<td><strong>Opening Plenary</strong>&lt;br&gt;&lt;br&gt;Sebastian Lobo-Guerrero, Ph.D., P.E.</td>
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<td>11:15 a.m. - 12:30 p.m.</td>
<td><strong>Parallel Sessions 2A, 2B &amp; 2C</strong>&lt;br&gt;&lt;br&gt;<strong>Parallel Session 2A</strong>&lt;br&gt;Geophysics 2020 and Beyond - Advancing the use of Geophysics for Enhanced Geotechnical Subsurface Characterization&lt;br&gt;&lt;br&gt;<strong>Moderator:</strong> Silas Nichols, P.E.&lt;br&gt;Federal Highway Administration&lt;br&gt;&lt;br&gt;<strong>Panelists and Speakers:</strong>&lt;br&gt;Robert Garfield, P.G.&lt;br&gt;Hager-Richter Geoscience, Inc.&lt;br&gt;Krystle Pelham&lt;br&gt;New Hampshire Department of Transportation&lt;br&gt;Daniel Schauer, P.G.&lt;br&gt;Geosyntec&lt;br&gt;Matthew Art&lt;br&gt;e4 Sciences&lt;br&gt;Matthew Riegel, P.E., D.GE&lt;br&gt;HNTB&lt;br&gt;<strong>Parallel Session 2B</strong>&lt;br&gt;Use of Instrumentation in QA/QC&lt;br&gt;&lt;br&gt;<strong>Moderator:</strong>&lt;br&gt;Diana Goodwin, P.G., MSCEM&lt;br&gt;Foundation Test Group, Inc.&lt;br&gt;&lt;br&gt;<strong>Parallel Session 2C</strong>&lt;br&gt;MSSP Expo Session&lt;br&gt;&lt;br&gt;<strong>Moderator:</strong> John Anderson&lt;br&gt;Specrete&lt;br&gt;&lt;br&gt;<strong>11:15 a.m. - 11:30 a.m.</strong>&lt;br&gt;One Seam at a Time: Interactive QA/QC to Identify Coal Seams During Foundation Construction&lt;br&gt;&lt;br&gt;<em>Christopher Lawler, P.G.</em></td>
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**Young Professor Paper Competition Winner Presentation:**<br>Applications of Frictional Directionality for Monotonically- and Cyclically-loaded Piles<br><br>*Alejandro Martinez, Ph.D. and Kyle O’Hara, Ph.D.* | University of California, Davis |

**Student Paper Competition Winner Presentation:**<br>Experimental Investigation of Shear Demands on Rock Socketed Drilled Shafts Subjected to Lateral Loading<br><br>*Rabie Farrag* | University of California, Irvine

*Subject to change*
**All presentations are in Eastern Daylight Time (EDT)**

### 2:00 p.m. - 3:15 p.m.

#### Parallel Sessions 3A, 3B & 3C

<table>
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<th>Parallel Session 3A</th>
<th>Parallel Session 3B</th>
<th>Parallel Session 3C</th>
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| **Business Aspects of Deep Foundations**  
**Moderator:**  
Chris Woods, P.E., G.E., D.GE., LEED AP BD+C  
Densification, Inc.  
**2:00 p.m. - 2:15 p.m.**  
Risk Management for Dam Rehabilitation Projects  
David Paul, P.E. | **Value Added and Risk Management Considerations of Site Characterization for Deep Foundation Projects and Programs**  
**Moderator:**  
Benjamin Rivers, P.E.  
Federal Highway Admin.  
**2:15 p.m. - 2:30 p.m.**  
A Collaborative Approach to the Design and Delivery of the Most Heavily Loaded Piles Ever Constructed in the UK  
Jonathan Morris, Ph.D., C.Eng., FICE  
Cementation Skanska Limited  
**2:30 p.m. - 2:45 p.m.**  
Switching from Monetary Process Management to Critical Success Factors Using an Appropriate Process Information System  
Jochen Maurer | **2:45 p.m. - 3:00 p.m.**  
Geospatial Project Information Management System at Herbert Hoover Dike  
Jamey Rosen, P.G.  
Geosyntec Consultants  
**3:00 p.m. - 3:15 p.m.**  
Discussion  
**3:15 p.m. - 3:45 p.m.**  
**NETWORKING BREAK**  
**MSSP Expo Session**  
**Moderator:**  
Nicole Angie | **2:00 p.m. - 2:15 p.m.**  
Barrier Wall Construction & In Situ Soil Mixing to Protect Infrastructure For Generations  
Suzanne Grix and Matt Marks | **2:15 p.m. - 2:30 p.m.**  
Water Retentive Augercast Grout for the Miami Signature Bridge/Connecting Miami Project  
Mickey Westbrook | **2:30 p.m. - 2:45 p.m.**  
Solutions to Difficult and Complex CQC and QA Challenges  
Thomas Ortner | **2:45 p.m. - 3:00 p.m.**  
Material Supplies and Solutions are Just the Start with Intech Anchoring  
Bill Sears | **3:00 p.m. - 3:15 p.m.**  
Pre-Engineered Hydraulic Bracing Systems  
Braxton Erbe | **3:15 p.m. - 3:45 p.m.**  
**NETWORKING BREAK**  
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<th>Panel B</th>
<th>Panel C</th>
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| 3:45 p.m. - 4:00 p.m. | **Parallel Sessions 4A, 4B & 4C** | National Case Histories  
*Moderator: Harry Schnabel, P.E. | Geophysics for Subsurface and Foundation  
*Moderator: John Caccese, P.E. | MSSP Expo Session  
*Moderator: Mark Bryant | |
|              | **Parallel Sessions 4A**                     | Innovative SOE Solutions for Shaft Construction: Getting to Depth With Diaphragm Walls at Westerly Storage Tunnel  
*Jewels Stover | Geophysical Applications for Highway Infrastructure, a Retrospective  
*William Owen, C.E.G., PGP | Ground Improvement - A Discussion on Dynamic Compaction  
*Chris Woods, P.E., G.E., D.GE., LEED AP  
*BD+C | |
|              | **Parallel Sessions 4B**                     | Case Study: The Use of Post Tensioned Piles for Wind Turbine Foundations  
*Mohamed Alrowaimi, Ph.D., P.E. and Amr Sallam, PhD., P.E. | Non-Destructive Testing of Unknown Bridge Foundation Lengths Using Parallel Seismic Testing  
*Michael Muchard, P.E. and Chetan Savani | Quality Assurance for Drilled Shafts Utilizing the Shaft Area Profile Evaluator  
*Ryan Allin, P.E. | |
|              | **Parallel Sessions 4C**                     | Installing and Testing Multi-bar High Capacity Rock Tiedowns  
*Steven Lowe, P.E. | Geophysical Investigations Enhance Geologic Characterization in Support of Pile Foundation Program  
*Mario Carnevale, MSc, P.G. | People, Products, and Partnerships  
*Russ W. Adkins II | |
|              |                                              | Stabilizing a 100 ft Rock Slope with Limited Access and Tight Construction Tolerances Using Observational Method and Real-time 3D Modeling  
*Travis Shoemaker, EIT | Bring Your A-GaME! How Deep Foundation Contractors and Practitioners Benefit by Advocating for Advanced Geotechnical Exploration Methods  
*Mary Nodine, P.E. | Purpose for Slag Cement in Geotechnical Applications  
*Gordon McLellan | |
|              |                                              | Discussion | Discussion |  |
|              |                                              |  |
| 5:00 p.m. - 5:30 p.m. | Happy Hour |  |

*Subject to change*
Welcome and Opening  
Sebastian Lobo-Guerrero, Ph.D., P.E. | American Geotechnical & Environmental Services, Inc. and  
Theresa Engler | Deep Foundations Institute

Bringing Geotechnical Baseline Reports to the Surface  
Moderator: James Morrison, P.E. | COWI

Panelists and Speakers:
11:00 a.m. - 11:15 a.m.
Welcome and Opening
Sebastian Lobo-Guerrero, Ph.D., P.E. | American Geotechnical & Environmental Services, Inc. and  
Theresa Engler | Deep Foundations Institute

Bringing Geotechnical Baseline Reports to the Surface  
Moderator: James Morrison, P.E. | COWI

Panelists and Speakers:
- Vanessa Bateman, P.G., P.E., D.GE | U.S. Army Corps of Engineers
- José LM Clemente, Ph.D., P.E., D.GE, F.ASCE | Bechtel Corporation

Parallel Sessions 5A & 5B

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<tr>
<td>1:15 p.m.</td>
<td>Trencher Method vs. Slurry Trenching: A Pros &amp; Cons Comparison of Case Studies</td>
<td>Estimation of Maximum Unit Side Resistance in Drilled Shaft Foundations from Partially Mobilized Load-Displacement Data</td>
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<td>Charlie Krug</td>
<td>Geo-Solutions, Inc.</td>
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<td>1:22 p.m.</td>
<td>Prevention of Landslides with Rows of Pressed-in Pipe Piles on Steep Slope</td>
<td>Costa Rica Circunvalacion Norte Project: Lessons Learned from Foundation Drilling</td>
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<td>1:29 p.m.</td>
<td>Controlling Vibrations from Close-in Pile Driving</td>
<td>DCP Investigation of Strength Increases in Polyurethane and Acrylate Treated Soils</td>
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<td>1:36 p.m.</td>
<td>Diaphragm Wall Technique Used in a Different Way – Cutting Trenches Up To 823 Ft (251 M) for an Exploration and Bulk Sampling Program</td>
<td>Lessons Learned from Construction of a Tire Plant in Karst</td>
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<td>Franz-Werner Gerressen, Dipl. Ing.</td>
<td>BAUER Maschinen GmbH</td>
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<td>1:43 p.m.</td>
<td>Discussion</td>
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**International & National Case Histories**

**Moderators:**
Aditya Ayithi, Ph.D., P.E. | 3C Drilling, LLC

* Nina Carney, P.E. | DGI Menard USA, and Melinda Hummel, P.E. | Magnum Geo-Solutions
* Nathaniel Witter, P.E. | Nicholson Construction
* Jeffrey Goodwin, P.E. | Foundation Test Group, Inc., and Kevin Tehansky, P.E. | Foundation Test Group, Inc.
* Junho Lee, E.I.T | Texas A&M University
* Naser Al-Shayea, Ph.D. | King Fahd University of Petroleum & Minerals
* Rodrigue Karam, P.E. | Pennoni Associates, Inc.
* Sohail Kibria, P.E. | National Engineering Services Pakistan Pvt Limited, and Asim Masud, P.E. | Nespak

*Featured On-Demand Presentations are outlined on the next page and marked with a red asterisk.

**Research and Design Topics in Deep Foundations**

**Moderators:**
Gregg Batchelder Adams, P.E. | US Army Corps of Engineers

* Dan Ruffing, P.E. | Geo-Solutions, Inc.
* Steve Chai, MASc | Rocscience, and Sina Javankhosdel, Ph.D. | Rocscience
* Michael Perlow Jr., P.E. | Engineering Knowledge Management LLC
* Steven Saye, P.E. | Kiewit Engineering Group, Inc.
* Gregory Plutko | Minerals Technologies CETCO Drilling Products Group, and Justin Seago | Minerals Technologies CETCO Drilling Products Group
* Gerald Verbeek, M.Sc. | BCE

**NETWORKING BREAK**

**3:00 p.m. - 4:30 p.m.**

**The Family Business Panel Discussion**

**Moderator:**
Sebastian Lobo-Guerrero, Ph.D., P.E. | American Geotechnical & Environmental Services, Inc.

**Families:**
The Becks: August Beck, P.E. | A.H. Beck Foundation Co., Inc.
The Schnabels: Harry Schnabel, P.E. | Schnabel Geotechnical Design and Construction
The Wysockeys: John Wysockey | Thatcher Engineering
The Tripletts: John Wolosick, P.E., D.GE, F.ASCE | Keller North America
The Pattersons: Sue Frank | T.E.I Rock Drills, Inc.

**Conference Recap and Closing Remarks**

Sebastian Lobo-Guerrero, Ph.D., P.E. | American Geotechnical & Environmental Services, Inc. and Theresa Engler | Deep Foundations Institute

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<tr>
<td>A Case Study Detailing the Use of Rigid Inclusions, Helical Piles And Micropiles to Facilitate the Revitalization of 1600 Smallman Street</td>
<td>Nina Carney, P.E.</td>
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<tr>
<td>A Modified Soil Quake Davisson Offset Method for Drilled Foundations</td>
<td>Michael Perlow Jr., P.E.</td>
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<td>Simulation of Soil-structure Interaction with Sheet Pile and Retained Soil</td>
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<td>Tomographic DST Algorithm for Stone Column Site Imaging and Characterization</td>
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<td>Using Multiple Pile Types for a Single Project to Maximize Benefits</td>
<td>Matthew Conte, CPC</td>
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*Featured On-Demand Presenter
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<tr>
<th>Time</th>
<th>Wednesday November 4</th>
<th>Thursday November 5</th>
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<tr>
<td>10:00 a.m. to 11:00 a.m.</td>
<td>International Grouting</td>
<td>Joint ADSC-DFI Anchored Earth Retention</td>
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<tr>
<td>11:30 a.m. to 12:30 p.m.</td>
<td>Deep Foundations for Landslides and Slope Stabilization</td>
<td>Joint ADSC-DFI Micropile</td>
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<td>12:30 p.m. to 1:30 p.m.</td>
<td>Manufacturers, Suppliers and Service Providers</td>
<td>Ground Improvement</td>
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<td>1:30 p.m. to 2:30 p.m.</td>
<td>Codes &amp; Standards</td>
<td>Energy Foundations</td>
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<td>2:00 p.m. to 3:00 p.m.</td>
<td>Helical Piles and Tiebacks</td>
<td>Project Information Management Systems</td>
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<td>3:00 p.m. to 4:00 p.m.</td>
<td>Driven Piles</td>
<td>Joint ADSC-DFI Anchoed Earth Retention</td>
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<tr>
<td>4:00 p.m. to 5:00 p.m.</td>
<td>Augered Cast-in-Place and Drilled Displacement Piles</td>
<td>Joint ADSC-DFI Micropile</td>
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<td>5:00 p.m. to 6:00 p.m.</td>
<td>Seepage Control</td>
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<td>6:00 p.m. to 7:00 p.m.</td>
<td>Testing &amp; Evaluation</td>
<td>Energy Foundations</td>
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<td>7:00 p.m. to 8:00 p.m.</td>
<td>Industry Wide Working Platforms Working Group</td>
<td>Project Information Management Systems</td>
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<td>8:00 p.m. to 9:00 p.m.</td>
<td>Drilled Shafts</td>
<td>Joint ADSC-DFI Anchoed Earth Retention</td>
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<td>9:00 p.m. to 10:00 p.m.</td>
<td>Tunneling and Underground</td>
<td>Joint ADSC-DFI Micropile</td>
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<tr>
<td>10:00 p.m. to 11:00 p.m.</td>
<td>Sustainability</td>
<td>Ground Improvement</td>
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*Subject to Change

Call-in details will be provided to Committee Members; please contact Mary Ellen at melarge@dfi.org.

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