The International Association of Foundation Drilling
In partnership with Piling Design & Construction Conference
Atlanta, Georgia

June 7-9, 2023 | Atlanta Marriott Marquis

Conference Program ’23

Cooperating Organizations

Media Partners

U.S. Department of Transportation
Federal Highway Administration

International Society for Micropiles

Pile Driving Contractors Association

G-1

ASCE

GEO-Institute

Georgia Chapter

SEI

ASCE

Structural Engineering Institute

Georgia Chapter

Pile Buck International, Inc.

Helical Pile World.com

Piling Canada

www.dfi.org/SuperPile2023
Technical Program Committee

Conference Chair:
W. Morgan NeSmith, P.E., D.GE | BERKEL & Company Contractors

Technical Program Chair:
Luis E. Babler, P.E. | Geo-Hydro Engineers, Inc.

SuperPile Technical Program Committee
Ryan Allin, P.E. | Pile Dynamics, Inc
Testing and Evaluation Committee Chair
Paul Axtell, P.E., D.GE | Dan Brown and Associates
Drilled Shaft Committee Chair
Mark Bryant, EIT | BHATE Geosciences
Helical Piles and Tiebacks Committee, Immediate Past Chair
Gregory J. Canivan, P.E. | S&ME, Inc.
Driven Pile Committee Co-Chair
Pollyanna Cunningham, MA, MBA
ICE® International Construction Equipment, Inc.
Driven Pile Committee, Immediate Past Chair
Seth Hamblin, P.E. | Geosciences Testing & Research, Inc.
Driven Pile Committee Co-Chair
Hannah Iezzoni, P.E. | Keller
Augered Cast-in-Place and Drilled Displacement Piles Committee Chair
Helen Robinson, P.E., PMP, D.GE | GEI Consultants
DFI/ADSC Joint Micropile Co-Chair
Jon Sinnreich, M.Eng., P.E. | Load Test Consulting
Seismic and Lateral Loads Committee Chair
Gerald Verbeek | Allnamics Pile Testing Experts BV
Sustainability Committee Chair

Deep Foundations Institute
Theresa Engler, Executive Director
Angie Gibble, Director of Events
Matthew R. Glisson, P.E., Director of Technical Activities
Jaime Cettina, Professional Development Coordinator
Valerie Sobczak, Event Coordinator

ADSC
Peggy Hagerty Duffy, P.E., D.GE, CEO

Conference Details*

Wi-Fi Access Info
Wi-Fi Access for this conference is available.
Wireless Network: Superpile Password: Super2023

Online Proceedings
The conference proceedings will be available about three weeks following the event. A web link and instructions to access the proceedings will be emailed to the email address we have on file for each attendee. Please email events@dfi.org for more information or stop by the Registration Desk.

Professional Development Hours (PDHs)
Professional Development Hours (PDHs) will be provided after the completion of each session evaluation through the conference module. Attendees are responsible for determining whether or not these PDHs are accepted by their respective licensing board.

Registration Hours | Marquis Registration Booth
Wednesday, June 7 ................................. 12:00 p.m. – 6:00 p.m.
Thursday, June 8 .................................. 7:30 a.m. – 5:30 p.m.
Friday, June 9 ........................................ 7:30 a.m. – 1:00 p.m.

Exhibit Hall Hours | Marquis Salons A-B
Exhibitor Set-up - Wednesday, June 7 .... 1:00 p.m. – 6:00 p.m.
Thursday, June 8 ................................ 7:30 a.m. – 7:45 p.m.
Friday, June 9 ...................................... 7:30 a.m. – 3:40 p.m.
Exhibitor Break Down - Friday, June 9 .... 3:40 p.m. - 6:00 p.m.

General Photography
Photos will be taken throughout the program in an effort to capture as much of the conference activity as possible and will be posted to www.dfi.org/superpile2023 for viewing after the event. Unfortunately, we cannot guarantee that all booths or speakers will be photographed.

Please note: DFI reserves the right to use these images on the DFI website, in Deep Foundations magazine, in newsletters and for other publicity materials. As a registrant/participant in the conference, you are consenting to the use of said images as described above.

*Subject to Change
### Conference Schedule*  | Day One  | Thursday, June 8

- **7:30 a.m. - 5:00 p.m.** | Conference Registration | Marquis Registration Booth, Marquis Level
- **7:30 a.m. - 8:30 a.m.** | Networking Breakfast and Exhibition | Marquis Salons A-B
- **7:30 a.m. - 8:20 a.m.** | Moderator & Speaker Technical Rehearsal | Imperial Salons A-B

#### Plenary Sessions

- **8:30 a.m. - 9:45 a.m.** | OPENING PLENARY: Georgia On My Mind | Moderator: W. Morgan N. NeSmith, P.E., D.GE | BERKEL & Company Contractors

#### Technical Sessions

- **10:30 a.m. - 12:00 p.m.** | DFI Award Lecture: Multiple Foundations for a Multi-Purpose Stadium | Moderators: Denton A. Kort, M.Eng, P.E., Loadtest, A Division of Fugro USA Land, Inc. and John Wolosick, P.E., D.GE | KELLER

- **10:35 a.m. - 11:00 a.m.** | Osterberg Memorial Lecture: Application of Seismic Piezocone Soundings to Bi-Directional Load Test Response | Paul Wesley Mayne, Ph.D., P.E. | Georgia Institute of Technology

- **11:00 a.m. - 12:00 p.m.** | Invited Speaker: Geotechnical Challenges and Foundation Solutions for the Mercedes Benz Stadium | Matthew Meyer, P.E., D.GE | Langan Engineering and Environmental Services, Inc.

#### Breaks

- **12:00 p.m. - 1:00 p.m.** | Networking Luncheon | Marquis Salons C-D

#### Welcome Reception and Exhibition

- **5:35 p.m. - 7:35 p.m.** | Welcome Reception and Exhibition | Marquis Salons A-B

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### Pre-Conference Schedule At-a-Glance*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m. - 1:00 p.m.</td>
<td>DFI Executive Committee Meeting (Closed Meeting) M-106/107</td>
</tr>
<tr>
<td>12:00 p.m. - 6:00 p.m.</td>
<td>DFI Technical Committee Meetings</td>
</tr>
<tr>
<td>12:00 p.m. - 6:00 p.m.</td>
<td>Conference Registration</td>
</tr>
<tr>
<td>1:00 p.m. - 6:00 p.m.</td>
<td>DFI Ed Trust Board Meeting (Closed Meeting) M-106/107</td>
</tr>
<tr>
<td>1:00 p.m. - 6:00 p.m.</td>
<td>Exhibitor Set-Up</td>
</tr>
<tr>
<td>6:15 p.m. - 7:45 p.m.</td>
<td>DFI WiDF Networking Reception</td>
</tr>
</tbody>
</table>

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### Technical Committee Meeting Schedule*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>Working Platforms Industry-Wide Working Group</td>
</tr>
<tr>
<td>1:15 p.m. - 2:15 p.m.</td>
<td>Women in Deep Foundations</td>
</tr>
<tr>
<td>2:30 p.m. - 3:30 p.m.</td>
<td>Driven Pile</td>
</tr>
<tr>
<td>3:45 p.m. - 4:45 p.m.</td>
<td>Drilled Shaft</td>
</tr>
<tr>
<td>5:00 p.m. - 6:00 p.m.</td>
<td>DFI-ADSC Joint Micropile</td>
</tr>
</tbody>
</table>

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*As of 4/10/2023 | Subject to Change*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m.</td>
<td>Conference Welcome</td>
<td>Imperial Salon A</td>
<td>Naveen Govindaraju, MTech, MIRC and Sunil S. Basarkar, Ph.D.</td>
</tr>
<tr>
<td>8:40 a.m.</td>
<td>Continuous Flight Auger Cast Piles for Bridge Foundations</td>
<td>Imperial Salons A-B</td>
<td>Austin Spencer and Michael Alestra</td>
</tr>
<tr>
<td>8:30 a.m.</td>
<td>PARALLEL SESSION A1: ACIP and Ground Improvement</td>
<td>Imperial Salon A</td>
<td>Moderator: Hunter Landry</td>
</tr>
<tr>
<td>8:40 a.m.</td>
<td>PARALLEL SESSION B1: Micropiles</td>
<td>Imperial Salon B</td>
<td>Moderator: TBD</td>
</tr>
<tr>
<td>9:05 a.m.</td>
<td>One Dock Street: A Multi-Scope Geotechnical Challenge in the Heart of Philadelphia</td>
<td>Imperial Salon A</td>
<td>Hannah Iezzoni, P.E.</td>
</tr>
<tr>
<td>9:05 a.m.</td>
<td>PARALLEL SESSION A2: Drilled Displacement Piles &amp; Drilled Shafts</td>
<td>Imperial Salon A</td>
<td>Moderator: Scott Jacobs</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>Challenges of Designing and Constructing CFA Piles in Highly Variable Bedrock in Manhattan, New York</td>
<td>Imperial Salon A</td>
<td>Scott Garfield P.E, P.G. and Asif Arshid, Ph.D.</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>PARALLEL SESSION B2: Driven and Helical Piles</td>
<td>Imperial Salon B</td>
<td>Moderator: Seth Hamblin, P.E.</td>
</tr>
<tr>
<td>10:20 a.m.</td>
<td>PARALLEL SESSION B3: Helical Piles and Tiebacks</td>
<td>Imperial Salon B</td>
<td>Moderator: Mark Bryant, EIT</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Effects of Energy Loops on the Geotechnical Performance of Geothermal Energy Piles</td>
<td>Imperial Salon A</td>
<td>Joshua Gomer, Ph.D., GMICE</td>
</tr>
<tr>
<td>11:55 a.m.</td>
<td>Advances in Drilled Foundation Testing Techniques</td>
<td>Imperial Salons A-B</td>
<td>Benjamin White, P.E. and Michael Morgano</td>
</tr>
<tr>
<td>12:20 a.m.</td>
<td>PARALLEL SESSION B1: Micropiles</td>
<td>Imperial Salon B</td>
<td>Moderator: TBD</td>
</tr>
<tr>
<td>12:20 p.m.</td>
<td>PARALLEL SESSION B2: Driven and Helical Piles</td>
<td>Imperial Salon B</td>
<td>Moderator: Seth Hamblin, P.E.</td>
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<td>12:20 p.m.</td>
<td>PARALLEL SESSION B3: Helical Piles and Tiebacks</td>
<td>Imperial Salon B</td>
<td>Moderator: Mark Bryant, EIT</td>
</tr>
<tr>
<td>12:45 p.m.</td>
<td>Networking Luncheon</td>
<td>Marquis Salons A-B</td>
<td>Vincent A. Siefert, P.E. and Ram Kasturi, P.E.</td>
</tr>
<tr>
<td>1:50 p.m.</td>
<td>PARALLEL SESSION A3: Testing and Evaluation</td>
<td>Imperial Salon A</td>
<td>Moderator: Benjamin White, P.E.</td>
</tr>
<tr>
<td>1:50 p.m.</td>
<td>Dynamic Load Testing of Non-Uniform Piles</td>
<td>Imperial Salon A</td>
<td>Thai Nguyen, Ph.D.</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>A Case Study to Evaluate the Capacity of H-Pile Reinforced Auger Cast Pile Utilizing Bi-directional Load Testing</td>
<td>Imperial Salon A</td>
<td>Mohamad Hussein, P.E.</td>
</tr>
<tr>
<td>2:40 p.m.</td>
<td>Analysis of Bi-directional Static Load Tests on Large Barrettes</td>
<td>Imperial Salon A</td>
<td>Ahmed Al Mufti, Ph.D., P.Eng.</td>
</tr>
<tr>
<td>3:05 p.m.</td>
<td>Networking Break and Exhibition</td>
<td>Marquis Salons A-B</td>
<td>Ben Acevedo, Ph.D.</td>
</tr>
<tr>
<td>3:35 p.m.</td>
<td>PARALLEL SESSION A3: Testing and Evaluation</td>
<td>Imperial Salon A</td>
<td>Moderator: Benjamin White, P.E.</td>
</tr>
<tr>
<td>3:40 p.m.</td>
<td>Invited Speaker: The Role of Interface Compatibility in Deep Foundation Performance</td>
<td>Imperial Salon A</td>
<td>J. David Frost, Ph.D., P.E., PEng, FASCE</td>
</tr>
<tr>
<td>3:40 p.m.</td>
<td>CLOSING PLENARY</td>
<td>Imperial Salon A</td>
<td>Moderator: W. Morgan NeSmith, P.E., D.GE</td>
</tr>
<tr>
<td>4:25 p.m.</td>
<td>Closing Remarks</td>
<td>Imperial Salon A</td>
<td>Moderator: TBD</td>
</tr>
</tbody>
</table>

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SuperPile '23 Conference Floorplan

Atlanta Marriott Marquis
Marquis Level • Conference Floorplan

Marquis Ballroom
Salons A-B
Exhibit Hall
Networking Breakfasts, Breaks

Salons C-D
Networking Luncheons

Marquis Foyer

Imperial Ballroom
Day 1 Plenary Sessions: Imperial Salons A-B
Salon A
Day 2 Parallel Track A and Closing Plenary
Salon B
Day 2 Parallel Track B

Imperial Foyer

Wednesday, June 7:
Pre-Conference Technical Committee Meetings

Wednesday, June 7:
Pre-Conference DFI Executive Committee & DFI Ed Trust Board Meetings

M303/304
M302
M301

Elevators

Exhibit Hall

Networking Breakfasts, Breaks

Networking Luncheons

Registration

Marquis Level Bridge

M106/107

*As of 4/10/2023*