



Super Pile '24

Piling Design & Construction Conference

San Francisco, California

In partnership with



June 12-14, 2024 | San Francisco Marriott Marquis



Conference Program '24

Cooperating Organizations



U.S. Department of Transportation
Federal Highway Administration



GEO-INSTITUTE



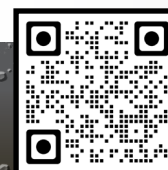
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Technical Program Chair:

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ADSC

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Angie Elmendorf, Director of Marketing

Conference Details*

Wi-Fi Access

Wi-Fi Access for this conference is available.

Wireless Network: SuperPile24 Password: CYNTECH

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 | North Registration

Wednesday, June 12 12:00 p.m. – 6:00 p.m.

Thursday, June 13 7:30 a.m. – 5:00 p.m.

Friday, June 14 7:30 a.m. – 11:00 a.m.

Exhibit Hall Hours | Salons 9-15

Exhibitor set up - Wednesday, June 12 1:00 p.m. – 6:00 p.m.

Thursday, June 13 7:30 a.m. – 7:00 p.m.

Friday, June 14 7:30 a.m. – 2:00 p.m.

Exhibitor break down - Friday, June 14 2:00 p.m. – 5:00 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-events.org/superpile24 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.



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SuperPile '24 | Conference Schedule* | Day One | Wednesday, June 12

Schedule At-a-Glance*

12:00 p.m. - 6:00 p.m.	Conference Registration North Registration, Lower B2 Level
12:00 p.m. - 6:00 p.m.	DFI Technical Committee Meetings Nob Hill Meeting Rooms, Lower B2 Level. See schedule at right.
1:00 p.m. - 6:00 p.m.	Exhibitor Set-Up Yerba Buena Ballroom, Salons 9-15
6:00 p.m. - 7:30 p.m.	DFI WiDF Networking Reception Foothill C, Second Floor

Technical Committee Meeting Schedule*

12:00 p.m. - 1:00 p.m.	Women in Deep Foundations Nob Hill AB
1:15 p.m. - 2:15 p.m.	DFI-ADSC Joint Micropile Seismic & Lateral Loads Nob Hill C
2:30 p.m. - 3:30 p.m.	Helical Piles & Tiebacks Working Platforms Industry-Wide Working Group Testing & Evaluation Nob Hill D
3:45 p.m. - 4:45 p.m.	Driven Pile Augered Cast-In-Place & Drilled Displacement Pile Electric Power Systems Foundations Nob Hill C
5:00 p.m. - 6:00 p.m.	Drilled Shaft Manufacturers, Suppliers & Service Providers Student Engagement Nob Hill D

**As of 5/29/2024 | Subject to Change*

Conference Schedule* | Day Two | Thursday, June 13

• All functions located on Lower B2 Level •

7:30 a.m. - 5:00 p.m.	Conference Registration North Registration
7:30 a.m. - 8:30 a.m.	Networking Breakfast and Exhibition Salons 9-15
7:30 a.m. - 8:30 a.m.	Moderator & Speaker Technical Rehearsal Salon 7
• All Plenary Sessions will be held in Salon 7 •	
8:30 a.m. - 10:20 a.m.	OPENING PLENARY SESSION: Tipping into Rock? <i>Moderator: Brian McGlynn, P.E. Farrell Design-Build, a Menard Company</i>
8:30 a.m. - 8:45 a.m.	Conference Welcome
8:45 a.m. - 9:30 a.m.	Invited Speaker: A History of Deep Foundations in San Francisco <i>Lori Simpson, P.E., G.E. LANGAN Engineering and Environmental Services, Inc. and Byrl Williams, P.E. Foundation Constructors, Inc.</i>
9:30 a.m. - 9:55 a.m.	Investigation, Design, and Construction of Rock-Socketed Drilled Shafts <i>Monica Cortez California Department of Transportation</i>
9:55 a.m. - 10:20 a.m.	Sandstone or Sand – That is the Question <i>Paul Axtell, P.E., BC.GE Dan Brown and Associates, PC</i>
10:20 a.m. - 11:05 a.m.	Networking Break and Exhibition Salons 9-15
11:05 a.m. - 12:35 p.m.	PLENARY SESSION 2: Panel Discussion on Geotechnical Risk Allocation in Design-Build Foundations <i>Moderator: Tom Farrell, P.E., G.E. Farrell Design-Build Inc.</i> <i>Panelists: Jeff Fippin, P.G., G.E. ENGEO, Michael Liao Caltrans, Michael Muchard, P.E. Malcolm Drilling Company, Inc. and Ravi Vedantham, P.E. Condon-Johnson & Associates, Inc.</i>
12:35 p.m. - 1:35 p.m.	Networking Luncheon Salon 8
1:35 p.m. - 3:15 p.m.	PLENARY SESSION 3: Case Histories <i>Moderator: Matthew Conte, CPC Conte Company</i>
1:35 p.m. - 2:00 p.m.	Design and Construction Challenges of Lax Automated People Mover Large-Diameter CIDH Piles in an Active Airport <i>Pirooz Kashighandi, Ph.D. Group Delta</i>
2:00 p.m. - 2:25 p.m.	Battling the Elements at Elevation 11,160 Feet <i>Ty Jahn Condon-Johnson</i>
2:25 p.m. - 2:50 p.m.	Gravity Grouted Helical and Displacement Piles in Deeper Applications <i>Matthew Conte, CPC Conte Company and James Davis, P.E. GZA Geoenvironmental, Inc.</i>
2:50 p.m. - 3:15 p.m.	Integrating MWD and CPT Data for Rigid Inclusion Performance Verification <i>Mary Nodine, P.E. Federal Highway Administration</i>
3:15 p.m. - 4:00 p.m.	Networking Break and Exhibition Salons 9-15
4:00 p.m. - 4:55 p.m.	PLENARY SESSION 4: Measuring Up <i>Moderator: Maura F. Ruffatto, P.E. Cornerstone Earth Group, Inc.</i> Invited Speaker: Measuring Embodied Carbon in Foundations: Why, How, and What's Next? <i>Kimberly Martin, Ph.D., P.E., ENV SP KELLER</i>
4:55 p.m. - 5:00 p.m.	Closing Remarks
5:00 p.m. - 7:00 p.m.	Welcome Reception and Exhibition Salons 9-15

**Subject to Change*

Conference Schedule* | Day Three | Plenary & Parallel Sessions | Friday, June 14

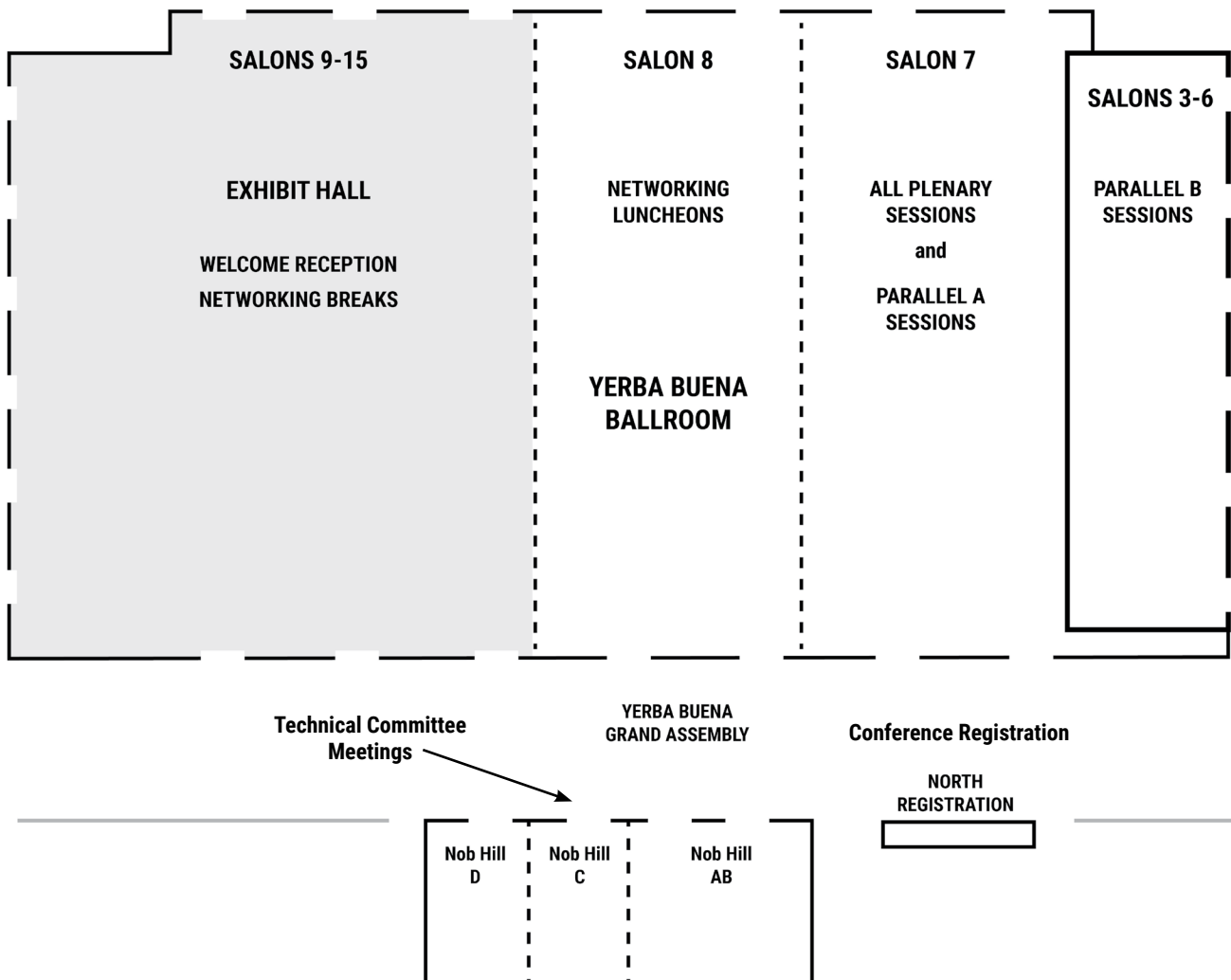
• All functions located on Lower B2 Level •

7:30 a.m. - 11:00 a.m.	Conference Registration North Registration	
7:30 a.m. - 8:30 a.m.	Networking Breakfast and Exhibition Salons 9-15	
7:30 a.m. - 8:30 a.m.	Moderator & Speaker Technical Rehearsal Meet at Your Respective Podiums, Salons 3-6 & Salon 7	
8:30 a.m. - 9:20 a.m.	PLENARY SESSION 5: Design Driven Salon 7	
8:30 a.m. - 8:35 a.m.	Conference Welcome	
8:35 a.m. - 9:20 a.m.	Keynote Speaker: Life-Cycle-Based Considerations in Design of Driven Piles Jason DeJong, Ph.D., University of California Davis	
9:20 a.m. - 10:05 a.m.	Networking Break and Exhibition Salons 9-15	
10:05 a.m. - 11:45 a.m.	PARALLEL SESSION A1: Working Platforms and Temporary Works Salon 7 <i>Moderator: David Graham Dan Brown and Associates, PC</i>	PARALLEL SESSION B1: Innovative Plastics & Piles Salons 3-6 <i>Moderator: Ravi Vedantham, P.E. Condon-Johnson & Associates, Inc.</i>
10:05 a.m. - 10:30 a.m.	Sustainable Temporary Working Platforms - Design Methods Validation <i>Mark Wayne, Ph.D., P.E. Tensar International</i>	The Environmental Benefits of Repurposing Tubular Steel from Pipe Mill Secondary and Oil Field Surplus <i>Bill Baillie, P.Eng. John Lawrie Tubulars</i>
10:30 a.m. - 10:55 a.m.	Helical Pile Underpinning for Temporary Remediation of Steel Lattice Tower Concrete Foundations Founded on Bay Mud <i>Karla Myers, P.E. and Derek Egbert Magnum Geo-Solutions, LLC</i>	Evaluation of Tangent Bearing Element Axial Load Response <i>Jon Sinnreich, P.E. GRL Engineers, Inc.</i>
10:55 a.m. - 11:20 a.m.	Mosquito Road Bridge – Temporary Access Trestle Design and Construction <i>Steve Spencer, P.E. GeoEngineers, Inc. and Charlie Marrow Shimmick</i>	Analyze By Fea of Helical Piles and Grillages – Case Study From Brazilian Transmission Lines <i>Daniel Renosto PierTech Systems and Crysthian Azevedo, Ph.D. ADONAI Engineering</i>
11:20 a.m. - 11:45 a.m.	LTP and Working Platform Design and Construction Using Soil Stabilization with Ground Improvement <i>Don Greb Griffin Soil Group and Sam Warren, P.E., G.E., PMP Farrell Design-Build Inc.</i>	
11:45 a.m. - 12:45 p.m.	Networking Luncheon Salon 8	
12:45 p.m. - 1:15 p.m.	Networking Break for Dessert and Coffee and Exhibition Salons 9-15	
1:15 p.m. - 2:55 p.m.	PARALLEL SESSION A2: Case Histories <i>Moderator: Seth Hamblin, P.E. Geosciences Testing & Research, Inc.</i>	PARALLEL SESSION B2: CPT's for Design and Verification & Transportation Projects <i>Moderator: Helen Robinson, P.E., PMP, BC.GE GEI Consultants</i>
1:15 p.m. - 1:40 p.m.	A Comparison of Driven Steel HP-Piles and Augered Cast-In-Place Piles at a Closed Landfill on the San Francisco Bay <i>Cary Ronan, P.E., G.E., and Tyler Toledo LANGAN Engineering and Environmental Services, Inc.</i>	CPT Based Direct Design of Bridge Foundations <i>Sharid Amiri, Ph.D., P.E. Caltrans</i>
1:40 p.m. - 2:05 p.m.	Incorporating Load Test Data in Design for a Hospital in Downtown San Francisco <i>Adam Blazejowski Dan Brown and Associates, PC and Gyimah Kasali, P.E., Ph.D., G.E. Rutherford & Chekene Consulting Engineers</i>	Transforming Foundations: A Value-Engineered Solution for IL Rt 390 Ramp Q5 <i>Steven Nowak, P.E. and Rachel Kizer Menard USA</i>
2:05 p.m. - 2:30 p.m.	Pushing Limits - Vertical Travel Leads for SuperPiles! <i>David Zanchetta, P.Eng Birmingham Foundation Equipment a Division of Soletanche Bachy Canada</i>	Advancing Foundations: Augered Cast-In-Place Bridge Foundations <i>Thomas Monaco, P.E. and Eric Dues P.E., S.E. Gannett Fleming Engineers and Architects</i>
2:30 p.m. - 2:55 p.m.	Priest Rapids Dam – A Large Diameter Secant Pile Cutoff Wall Utilizing Plastic Concrete <i>Trevor Morris, P.E. Malcolm Drilling Co., Inc.</i>	Bridging Two Cultures – Madawaska International Bridge <i>Rayan Shamas, P.E. and Nicholas Williams, P.E. GZA Geoenvironmental, Inc.</i>
2:55 p.m. - 3:05 p.m.	Networking Break Salon 7 Pre-Function	
2:00 p.m. - 5:00 p.m.	Exhibitor Breakdown Salons 9-15	
3:05 p.m. - 4:25 p.m.	PARALLEL SESSION A3: QA/QC <i>Moderator: Ryan Allin, P.E. Pile Dynamics, Inc.</i>	PARALLEL SESSION B3: Innovations in Deep Foundation & Verification <i>Moderator: Christophe Locussol, P.E. GEI Consultants, Inc.</i>
3:05 p.m. - 3:30 p.m.	Load Test Correlation Utilizing Embedded Sensors for Dynamic and Static Load Testing <i>Ryan Allin, P.E. Pile Dynamics, Inc.</i>	Tangenvika Railway Bridge – Drilled and Driven Piles <i>Jakub Bieszczad Keller Geoteknikk AS</i>

Conference Schedule* | Day Three | Plenary & Parallel Sessions | Friday, June 14

	PARALLEL SESSION A3: QA/QC (continued)	PARALLEL SESSION B3: Innovations in Deep Foundation & Verification (continued)
3:30 p.m. - 3:55 p.m.	Comparison of Dynamic CAPWAP and Static BDSLT Load Test Results at Signature Bridge <i>Jon Sinnreich, P.E. GRL Engineers, Inc. and Stephen Crawford University of Florida</i>	The Driving and Capacities of Coated and Non-Coated Piles in Pacific Northwest Fine-Grained Alluvium – A Case Study <i>Rachel Goldsmith and J. Kramer Hall Kiewit Infrastructure Engineers</i>
3:55 p.m. - 4:20 p.m.	Drilled Foundation Testing, A Comparison of Different QA/QC Testing Methods <i>Camilo Alvarez, P.E. GRL Engineers, Inc.</i>	Quality Verification Engineering and Performance Evaluation of Small Diameter Segmented Pipe Piles <i>Greg Baker, P.Eng. Subsurface Geotech Inc.</i>
4:20 p.m. - 4:25 p.m.	Closing Remarks	Closing Remarks

San Francisco Marriott Marquis • Conference Floorplan • Lower B2 Level



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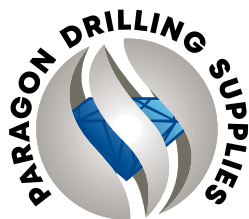
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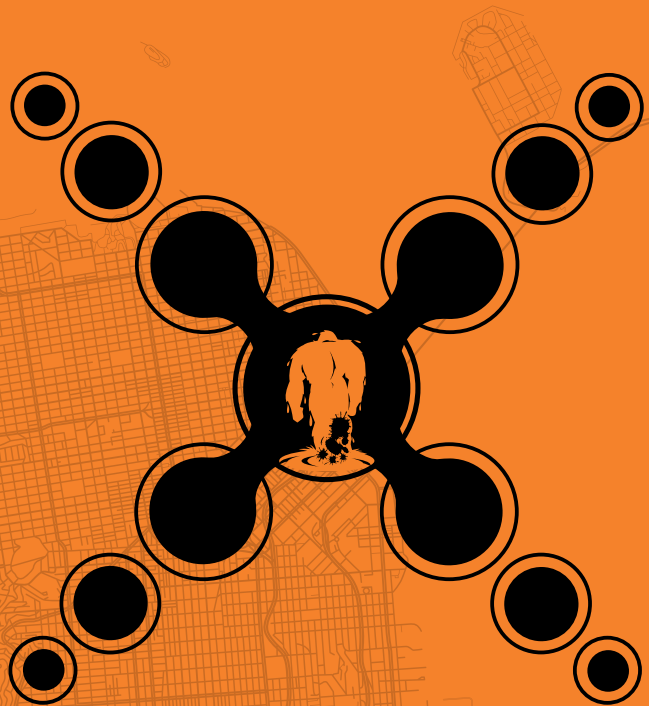
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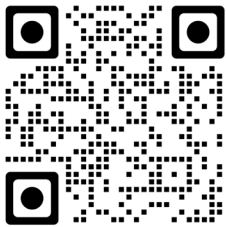
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Call For Abstracts

Submission Deadline:

Wednesday, November 13, 2024



Submit 300-word abstracts at www.dfi.org/Helical2025 or scan the QR code.

The DFI Helical Pile and Tieback Committee is currently planning our next HPW-DFI Helical Piles-Tiebacks-Anchors Tradeshaw

and Educational Seminar on May 7-8, 2025.

We are currently accepting abstracts for indoor presentations and outdoor demonstrations.

Presentation Themes

Submit abstracts for **indoor** PowerPoint presentations on the following topics:

- Unique helical pile or anchor use on projects
- Unique design issues or construction Site limitations and methods to overcome challenges
- Innovative use of technology or methods in the application of helical piles or anchors
- New applications or research for helical piles or anchors
- Helical pile use on challenging Sites (loose sands, organics, clays, etc.)

- Case histories documenting production rates, costs, lessons learned, comparisons to other deep foundation or anchor types, or other information useful for expansion of the industry
- Advances in helical materials: grout, piles, equipment, connections, corrosion protection, etc.
- Quality assurance and control
- Adoption of helical elements in building codes and standards

Outdoor Demonstrations include a live demonstration or showcase that will be observed by all attendees. Each Outdoor Demonstration will have one time slot to present their booth. Attendees will also have a chance to visit each booth during exhibit time. Ten Live Demonstrations Available.

Submit abstracts for **outdoor** demonstrations on the following topics:

- Unique/creative uses for helical piles
- Advancements in lateral load support for helical piles
- New technology showcases
- Safety and quality control
- Advancements in helical testing procedures
- Diversity of helical applications
- Techniques and Advancements for flood zone and wetlands applications

For inquiries, contact:

Deep Foundations Institute | DFI Helical 2025
Tel: (973) 423-4030
Email: speakers@dfi.org

Important Dates:

Abstract submission deadline: **Wednesday, November 13, 2024**
Abstract notifications of acceptance: **Wednesday, December 11, 2024**
PowerPoint presentations due: **Wednesday, April 16, 2025**



SuperPile'25

Piling Design & Construction Conference



June 18-20, 2025 | Cleveland, Ohio

Call For Abstracts

Submission Deadline:

**Wednesday,
December 4, 2024**



Submit 300-word abstracts at www.dfi.org/SuperPile2025 or scan the QR code.

DFI, ADSC, Conference Chair John Anderson (Speccrete-IP) and Program Chair Jon Sinnreich, P.E. (GRL Engineers, Inc.) invite you to submit an abstract to this three-day event, supported by technical committee members from both organizations.

Presentations that highlight design approaches for foundation optimization, innovative approaches to foundation construction and case studies/topics relevant to the Great Lakes and Ohio River Valley are encouraged.

Panel discussions and an exhibit hall of material, equipment and service providers are also part of this SUPER annual event.

Presentation Themes

DFI is soliciting presentations for SuperPile'25 on:

- ACIP and DD Piles
- Drilled Shafts
- Driven Piles
- Helical Piles
- Micropiles
- Information Management
- Risk and Contracts
- Seismic and Lateral Loads
- Subsurface Characterization
- Sustainability
- Testing and Evaluation
- Working Platforms

Topics and case studies, including (but not limited to):

- History, innovation and advancements in deep foundation design, installation and testing
- Designing and constructing safely and effectively in urban environments (e.g., sonic drilling of deep foundations, electric equipment, support of excavation, working platforms, etc.)
- Deep foundations in support of tunneling, inland waterway and aging infrastructure projects
- Challenges of deep foundations with glacial deposits, peat, alluvial soils, shale, karst and abandoned mines
- Trends in grout and concrete mixes for deep foundations
- Instrumentation, load testing and short- and long-term monitoring of deep foundations
- Sustainability (e.g., energy piles, equipment/material development, carbon savings, etc.)
- Non-destructive testing of existing and new deep foundations
- Pile installation data (MWD or pile driving monitoring)
 - Use in design and quality control
 - Data management and presentation
- Benefits and challenges of design-bid-build versus alternative project delivery, or of performance versus prescriptive specifications
- Design considerations and case histories for the New Madrid Seismic Zone (NMSZ) in the Ohio River Valley

For inquiries, contact:

Deep Foundations Institute
DFI SuperPile'25
Tel: (973) 423-4030
Email: speakers@dfi.org

Important Dates:

Abstract submission deadline: **Wednesday, December 4, 2024**
Abstract notifications of acceptance: **Wednesday, January 15, 2025**
PowerPoint presentations due: **Wednesday, May 14, 2025**