Technical Activities Update

DFI committees and working groups are all different...different chairs, projects, meetings and communications vehicles. Some have monthly conference calls, others have frequent in-person meetings at various industry events, others have small task forces that work independently and convene with the broader committee periodically. Be sure to check out the committee webpages under the ‘Groups’ tab on www.dfi.org to read the chair’s most current reports to find out what activities are ongoing and how to get involved. And visit the DFI events pages for upcoming meeting times and places. There is bound to be a committee style that suits yours. All members are invited to join a committee and participate.

COMMITTEE CHAIR DAN STEVENSON

Codes and Standards Committee

The committee is currently participating in efforts to update ASTM D1143/D1143M-07 (2013), axial top load test standard, to incorporate the latest state of the practice. Robert Simpson of Load Test Consulting is the current chair of ASTM subcommittee D18.11, which has the responsibility for this standard. Simpson is heading this effort as the ASTM technical contact. To enable active involvement of all that are interested, an online collaboration page will soon be available on ASTM’s website. In addition to the ASTM D18.11 subcommittee, the collaboration page will be accessible to all interested DFI Codes and Standards Committee members. A draft standard is expected to result from this collaboration, and it will be submitted for a subcommittee ballot by May 2018.

COMMITTEE CHAIR VICTOR DONALD

Subsurface Characterization Committee

During the 42nd DFI Annual Conference on Deep Foundations held in New Orleans in October 2017, DFI assembled a distinguished and diverse panel of industry experts for a national discussion on risk. The discussion highlighted uncertainty in subsurface conditions and the impacts realized by the various stakeholders associated with deep foundations projects. A full article on the discussion, “DFI Panel on Geotechnical Risk Allocation – Uncertainty in the Subsurface,” was included in the Jan/Feb 2018 issue of Deep Foundations. In addition, the discussion was made available as a live webinar, and the recording of the entire discussion is available at www.dfi.org/2017RiskPanel.

The panelists agreed that proper subsurface characterization is essential to obtain the best competitive construction bids, and that the concept of a Geotechnical Baseline Report (GBR) can provide great value to a project. It is believed that the understanding and use of GBRs are unclear, and so as a contract document, the GBR is underutilized and undervalued. With proper understanding, GBRs can be an effective vehicle for managing subsurface risk. Establishing standard protocols for the development and use of a GBR will be an excellent way for all stakeholders to understand the risk of the project, and it will be the definitive means to adjudicate a differing site conditions (DSC) claim.

This committee is surveying the industry to establish the state of use and knowledge of GBRs, and their potential benefit as contractual documents. To help evaluate the current state of the practice, please take 5 minutes and complete the short Survey on Site Characterization and Geotechnical Reporting (SSCGR), which can be found at www.dfi.org/SSCGR. DFI will keep respondent’s identities confidential. Please contact Mary Ellen Large, P.E., G.D.E., DFI director of technical activities, at melarge@dfi.org for more information.
DFI Technical Committee Chairs

Augere Cast-in-Place Pile
Morgan NeSmith, P.E.
Berkel and Company Contractors

Codes and Standards
Daniel Stevenson, P.E.
Berkel and Company Contractors

Deep Foundations for Landsides/Slope Stabilization
Chris Ramsey, P.E.
Amec Foster Wheeler
Environmental & Infrastructure

Drilled Shaft
Paul Axtell, P.E., D.GE
Dan Brown and Associates

Driven Pile
Ben Vance, P.E.
Strata

Electric Power Systems Foundations
Peter Kandaris, P.E.
DiGioia Gray & Associates
Steve Davidow, P.E., S.E.
Quanta Subsurface

Energy Foundations
Tony Amir
GI Energy
Guneys Olgun, Ph.D.
Virginia Tech

Ground Improvement
Tanner Blackburn, Ph.D., P.E.
Hayward Baker

Helical Piles and Tiebacks
Gary Seider, P.E.
Hubbell Power Systems/Chance

Manufacturers, Suppliers and Service Providers
Mark Bryant, EIT
MacLean Power Systems Civil Division

Marine Foundations
Rick Elliman, P.E.
Mueser Rutledge Consulting Engineers

Micropile
Steve Davidow, P.E., S.E.
Quanta Subsurface

Seepage Control
Michael Kynett, P.E.
U.S. Army Corps of Engineers

Seismic and Lateral Loads
Kwabena Ofori-Awuah, P.E.
KCI Technologies

Slurry Wall
Giovanni Bonita, Ph.D., P.E., P.G.
GEI Consultants

Soil Mixing
David Miller, P.E.
ADM Consulting

Subsurface Characterization for Deep Foundations
Victor Donald, P.E.
Terracon

Sustainability
Currently Unchaired

Testing and Evaluation
Gerald Verbeek
Allnamics Pile Testing Experts

Tiebacks and Soil Nailing
Ed Laczynski, P.E.
G.A. & FC. Wagman

Women in Deep Foundations
Helen Robinson, P.E.
GEI Consultants

International Bridge Conference

Please join us at the industry-wide dedicated foundations exhibition area for foundations-related engineers; contractors; and manufacturer, equipment and service providers at the Engineering Society of Western Pennsylvania’s (ESWP’s) 2018 International Bridge Conference, June 11-18 at Gaylord National Resort and Convention Center, in National Harbor, Md. The conference is an internationally recognized annual event dedicated to bridge design and construction that is attended by owners, structural engineers, and engineering and construction service providers in the international bridge industry.

Through DFI efforts, we hope to provide the following benefits to member companies via the dedicated exhibit area:

- Increased participation from foundation-related companies in IBC.
- Wider exposure and networking opportunities for foundation-related companies with structural engineers, contractors and owners.

- Opportunities for foundations-related industry to showcase technical capabilities and resources that promote quality, safety, sustainability and durability of bridge foundations while reducing project risk.
- Information transfer for innovative technologies and challenging foundation projects that enhance bridge cost economy and constructability through special technical session.
- Focused attention on foundation service providers.
- Relationship building opportunity for structural and geotechnical practitioners to understand mutual goals and expectations.

DFI encourages its members to attend the conference and to exhibit in the foundations area. For more information, visit www.eswp.com/bridge or contact Mary Ellen Bruce Large, P.E., D.GE, DFI director of technical activities, at melarge@dfi.org.