



MARY ELLEN BRUCE LARGE, PE., D.GE., DIRECTOR OF TECHNICAL ACTIVITIES

## New Technical Committee Chairs

DFI announces chairs for three new technical committees expanding the number of technical committees to 24.



The new Building Information Modeling (BIM)/Digitalisation Committee (DFI Europe) is being chaired by Jason Boddy, associate director at Arup, where he leads the geotechnics team in the Newcastle office in the U.K. Boddy has 24 years of experience in the geotechnical field and has worked on projects all over the world, including the design of piled foundations, retaining walls, slopes and landslide stabilization, earthworks, ground improvement and bridge foundations. He has additional experience with extensive desk study and ground investigation, building foundation and basement design, brownfield site reclamation, and instrumentation and monitoring. Boddy is the global manager of Arup's Geotechnical Skills Network, a member of Arup's Global Digital Geotechnics Task Group, and has chaired national conferences on technical and digital innovation in geotechnics.

The new Project Information Management Systems (PIMS) Committee is being chaired by Massimo Mucci, director of R&D, Bencor Global. Mucci is a professional IT engineer with a computer science degree focused on networking and cybersecurity. He has been providing consulting and design services to



the geotechnical industry for the past 15 years. His work includes the design of sophisticated computer software and hardware systems, such as the entire Ultimate Grouting Control (UGC) family of products used by Bencor for real-time and post-process monitoring activities required for various geotechnical construction services. In addition, he has high-level domain expertise in Information and Communications Technology (ICT) projects with special emphasis in big data and business intelligence analysis, cybersecurity and requirements analysis matters, along with the design and development of complex multiplatform information systems. Mucci is presenting a Keynote Lecture during the Project Information Management Systems/BIM session on Thursday June 7, 2018, at the DFI-EFFC International Conference on Deep Foundations and Ground Improvement in Rome. The committee's next meeting is Tuesday, June 5, 2018, during the conference at 3:30 p.m. local time. Visit [www.dfi-effc2018.org](http://www.dfi-effc2018.org) for more information.

The new Tunneling and Underground Systems Committee is being co-chaired by James Morrison, P.E., president of ILF-USA, and David R. Klug, president of David R. Klug and Associates. Morrison has more than 30 years of civil engineering experience covering a broad spectrum of large and complex underground and heavy construction working on bridges, dams, hydroelectric generating plants, highways, deep excavations, transportation and water/sewer tunneling projects. He has participated on some of the largest

*(continued on next page)*

### COMMITTEE CHAIR MORGAN NESMITH, PE.

## Augered Cast-in-Place (ACIP) Pile Committee

At the request of the FHWA, DFI's ACIP Pile Committee is assisting with the development of a design specification on Continuous Flight Auger (CFA) piles for inclusion in the AASHTO LRFD Bridge Design Specifications. A committee task force will work with



AASHTO's T-15 Committee to develop the specification provisions. AASHTO specification updates are published every three years, and the next publication date is 2020. DFI representatives will attend the AASHTO Vermont meetings in June 2018 to liaise with the T-15 committee and learn the specification development process. The T-15 Committee typically holds a mid-year meeting in the fall during which the detailed specification work is reviewed, discussed and debated. The members of the CFA AASHTO Task Force (from left to right) Kofi Acheampong of KCI Technologies; Matt Meyer, P.E., D.GE, of Langan Engineering and Environmental Services; Chris Shewmaker of Illini Drilled Foundations; Armin Steudlein, P.E., of Oregon State University; Andres Baquerizo, P.E., of HJ Foundation Company; Tim Siegel, P.E., G.E., D.GE, of Dan Brown and Associates, PC; and W. Morgan NeSmith, P.E., of Berkel and Company Contractors.





tunneling projects in North America including: Portland CSO, Devil's Slide Tunnel, Lake Mead Water Intake No 2, Dulles Walkback and WUBT tunnels, Tren Urbano-Rio Piedras Subway-Section 7, and CTA Blue Line Subway Replacement Project. Morrison has written numerous technical papers and served as president for DFI and the Cleveland Section of ASCE.



Klug provides international and national manufacturer representative services to the underground heavy civil and mine construction industries. He has more than 40 years of industry involvement in many of the major tunnel programs constructed in the U.S. and Canada. In conjunction with his European

clients, he conducts industry outreach seminars to Europe for people from the U.S. and Canadian tunneling industry to study European methods of tunnel construction and contract delivery practices. He is past chair of the Underground Construction Association (UCA) and the Society of Mining Engineers (SME) (2009-2011), and a member of the UCA Fox Conference Committee, The Moles and AGC of Western Pennsylvania.

## Industry-Wide Working Group

At the International Foundations Congress and Equipment Expo (IFCEE) in March, DFI led an exploratory meeting for an industry-wide working group on risk. The group will include members from

GeoCoalition societies, leverage the risk-related resources from each society and define recommended practices to reduce risk. GeoCoalition member societies include DFI, ADSC, Geo-Institute of ASCE, PDCA, AEG (Association of Engineering Geologists), GBA (formerly ASFE) and USUCGER (United States Universities Council on Geotechnical Education and Research). The new working group is being chaired by Victor Donald, P.E., national director of geotechnical services and senior vice president and senior principal, Terracon. The working group will be holding conference calls during the next several months to confirm members and define specific activities.



## DFI-ASCE Joint Meeting in Pittsburgh

In March, DFI partnered with ASCE Pittsburgh's GeoInstitute Section and Diversity and Inclusion Committee to present the fourth annual DFI-ASCE Pittsburgh joint dinner meeting. This year, DFI invited Dr. Wendy Murphy of Babson College to lead an active workshop titled, *Building Your Mentoring Network: A Relational Approach to Career Success*. This event focused on the importance of mentoring at every stage during one's career. The presentation highlighted how to leverage a mentoring network to propel career success and presented an active exercise that guided the attendees through steps to map and analyze a personal network.

Dr. Murphy is an associate professor of management at Babson College where she teaches organizational behavior and managing

## DFI Technical Committee Chairs

### Augered Cast-in-Place Pile

Morgan NeSmith, P.E.  
Berkel and Company Contractors

### BIM/Digitalisation (DFI Europe)

Jason Boddy  
Arup

### Codes and Standards

Daniel Stevenson, P.E.  
Berkel and Company Contractors

### Deep Foundations for Landslides/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 Amis  
GI Energy  
Guney 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 Ellman, P.E.  
Mueser Rutledge Consulting Engineers

### Micropile

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

### Project Information Management Systems

Massimo Mucci  
Bencor Global

### 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, PE.  
G.A.& F.C. Wagman

### Tunneling and Underground Systems

James Morrison, P.E.  
ILF-USA

David R. Klug  
David R. Klug and Associates

### Women in Deep Foundations

Helen Robinson, P.E.  
GEI Consultants



talent. Her research is at the intersection of careers, mentoring and work-life issues, with particular attention to nontraditional developmental relationships and learning.

We gratefully acknowledge the support of our corporate sponsors, including DiGioia Gray and Associates, Gannett Fleming, geotechnica, Langan Engineering and Environmental Services, McCrossin Foundations, Menard, and Nicholson Construction.

## Women's Professional Development Skills Workshop

During IFCEE in March, DFI's Women in Deep Foundations Committee partnered with ADSC, Geo-Institute and PDCA to present a joint professional skills workshop for women in the geotechnical engineering and foundations industry. The workshop focused on communication and negotiating skills, cultivating mentoring networks, current corporate initiatives that advance women's careers in deep foundations and the importance of establishing, maintaining and growing confidence.

Nancy Watt of Nancy Watt Communications conducted a dynamic, camaraderie-filled, improv-based workshop on communication and negotiation skills, infused with a ton of laughter. She highlighted how social science reveals subtle and powerful ways that women communicate that diminish their status and sabotage success. As a Second City Comedy Improv Conservatory graduate, Watt led the group through improv exercises that highlighted social status, communication skills and real barriers to negotiation.



**Ashley MacMillan of TenCate Geosynthetics, Nancy Watt, Johanna Simon of Schnabel Engineering and Dr. Debra Laefer of New York University**

Dr. Wendy Murphy of Babson College introduced the concept of developmental networks and led an interactive workshop exercise on mapping your own personal mentoring network. The exercise included small group discussions of personal opportunities and challenges, including gender and work-life issues. Each participant formulated goals, developed relationship action plans and discussed how to use the plan tools going forward.

Industry representatives from geotechnical and foundation design and construction firms presented successful corporate initiatives that actively support women and encourage professional development. Johanna Emanuel and Justine Lentini, P.E., of Moretrench presented the Female Engineers at Moretrench (FEM) initiative. Lori Simpson, P.E., G.E., of Langan Engineering and Environmental Services presented the Women@Langan program.

Elizabeth Smith, P.E., D.GE, of Terracon presented the company's women principals' network. Johanna Simon, P.E., of Schnabel Engineering presented its Women's Initiative Network (WIN). It is hoped that these presentations inspired the attendees to develop their own corporate women's support programs.

The workshop concluded with an active panel discussion on the importance of confidence for a professional woman and the significance of establishing, maintaining and growing confidence.

A dynamic multidisciplinary panel of industry representatives shared their experiences and strategies related to confidence:

Mabel Chedid, Ph.D. candidate, Texas A&M University

Sue Frank, president, TEI Rock Drills

Debra Laefer, Ph.D., professor, New York University

Vanessa Lucido, chief executive officer, ROC Equipment

Jewels Stover, project manager, Condon Johnson and Associates

Andrea Welker, Ph.D., P.E., professor, Villanova University

Dawn Walters, chief operating officer, ROC Equipment

We gratefully acknowledge the contributions of our corporate sponsors who made this event possible, including geotechnica, Langan Engineering and Environmental Services, Menard, Moretrench, Nicholson Construction, Schnabel Engineering, Skyline Steel, Terracon and WSP.

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