

Augered Cast-in-Place and Drilled Displacement Piles

Last Name, First Name, Middle Initial

Organization / School

Mailing Address

City State Zip Code

Email Address

Phone Number

“Early-Bird” Pricing (prior to March 26):

Pgh. GI/DFI Member \$200.00

Full-Time Student \$75.00

Non-Member (Pgh. GI) \$225.00

Registrations postmarked, or made online, after March 26 is an additional \$25: \$225 (member); \$250 (non-member); \$100 (student)

Total Amount Enclosed: \$ _____ .00

Registration will not be processed without payment. The Geo-Institute highly encourages individuals to register online. Registrations may also be made by mail. Please detach this page and send to the following address no later than **April 1, 2017** with a check made payable to **ASCE Geotechnical Engineering Group**.

Attn: Greg Rumbaugh, P.E.
MSHA Roof Control Division
626 Cochrans Mill Road, Building 44
Pittsburgh, PA 15236

Registration is available online at www.asce-pgh.org until **April 1, 2017**.

Program

- 7:15 - 8:00 Registration/Continental Breakfast
- 8:00 - 9:15 AM Welcome and Overview of Committee Projects and Development of ACIP and DD Pile and Current Installation, Morgan NeSmith, P.E.
- 9:15 - 10:00 AM ACIP Pile and DD Pile Quality Control and Assurance, John McElroy, P.E.
- 10:00 - 10:30 AM Break
- 10:30 - 11:30 AM ACIP and DD Pile Design Methodologies Morgan NeSmith, P.E.
- 11:30 - 12:00 PM Case History, Nicholson Construction
- 12:00 - 1:00 PM Lunch
- 1:00 - 2:00 PM Non-Destructive Testing of ACIP/DD Piles, Bernie Hertlein
- 2:00 - 2:30 PM Challenges for the ACIP/DD Pile Designer, Tim Siegel, P.E., G.E., D.GE
- 2:30 - 3:00 PM Water Retention in Augercast Grouts, John Anderson
- 3:00 - 3:30 PM Break
- 3:30 - 4:00 PM ACIP Case History: Economy, Design, and Constructability of the Fargo WTP Piles, Jonathan Huff, P.E.
- 4:00 - 4:30 PM Local DD and CFA Pile Case Histories, Morgan NeSmith
- 4:30 - 5:00 PM Overview and Application of Displacement Piling Technology, Antonio Marinucci, Ph.D., P.E.
- 5:00 - 5:30 PM Panel Discussion



ASCE Geo-Institute
Pittsburgh Section Chapter
and
DFI

Present a One-Day Short Course:

Augered Cast-in-Place and Drilled Displacement Piles (7.5 Professional Development Hours)

Presented by:

**Members of the DFI Committee on
Augered Cast-in-Place Piles
Chair, Morgan NeSmith, P.E.**

Saturday, April 8, 2017

Engineering Society of Western Pennsylvania
337 Fourth Ave., Pittsburgh, Pennsylvania 15222

Check-in begins: 7:15 a.m.
Course: 8:00 a.m. – 5:00 p.m.

Registration due no later than **April 1, 2017**

Augered Cast-in-Place and Drilled Displacement Piles

The seminar fee includes a continental breakfast, lunch, coffee breaks and an electronic copy of the seminar notes (available for download). Cancellations received after **March 26, 2017** and no shows will be billed. If you have any questions, please contact Greg Rumbaugh via email at Gregory.Rumbaugh@gmail.com.

NEW YORK: Approved New York State (NYS) Professional Development Hours are sought for this event from the Practicing Institute of Engineers. PDHs will be determined when approval is received. Those individuals requiring NYS approved hours must follow the guidelines and procedures requested by event management to qualify. The procedure typically includes the need to sign-in at the Registration Desk as proof of your attendance at the entire event. This procedure is subject to change. The course information contained in the event details at www.asce-pgh.org will be updated with the status of the PDH accreditation.

Why You Should Attend:

This course is intended to provide:

- The current state-of-the-practice for Augered Cast-in-Place and Drilled Displacement Pile foundations.
- Presentations by multiple members of DFI's ACIP Committee focusing on current design, construction, and quality control and assurance methods for ACIP and DD piles.
- Open discussions of the variety of applications where these types of foundations are suitable through selected project examples.

Course Instructors

W. Morgan NeSmith, Jr, P.E., Berkel & Company Contractors, has a B CE and MS CE from Georgia Tech and over 20 years of experience in geotechnical contracting and consulting including numerous international site characterization and construction projects for remote and offshore facilities. He specializes in design and installation of cast-in-place

piles and ground improvement systems, including data acquisition based design and quality assurance for APG and displacement piles and Cast-in-place Ground Improvement Elements (CGEs). He is the current chair of DFI's ACIP and DD Pile Committee.

Bernard H. Hertlein, Senior Consultant at GEI Consultants, Inc., has specialized in inspection and nondestructive testing methods for structures and deep foundations, and construction-related vibration issues, for more than 30 years. He was one of the team that developed and introduced Crosshole Sonic Logging (CSL) and Impulse Response testing to North America in the mid-1980s. His work experience has included drilled shaft, ACIP pile, driven pile and slurry wall projects throughout the world. He is co-author of a book entitled "Nondestructive Testing of Deep Foundations", published by John Wiley & Sons in 2006. He was a trustee of the DFI for many years, he is a Fellow of ACI, and received DFI's Distinguished Service Award in 2015.

Timothy C. Siegel, P.E., G.E., D.GE, Principal Engineer with Dan Brown and Associates, PC., holds BS and MS degrees in civil engineering from Georgia Tech and has 20+ years of consulting experience. He is the former chair of the Geo-Institute's Computational Geotechnics Committee and currently serves on committees for the Geo-Institute, DFI, and TRB. He is a principal engineer at Dan Brown and Associates, an adjunct at the University of Tennessee, and Co-Editor of the DFI Journal.

John A. Anderson, President of Specrete-IP Incorporated, the manufacturer of Intrusion-Aid Grout Fluidifiers used in augercast pile grouts and other foundation elements. John has over 35 years of experience in the concrete and grouting industry. He spent 8 years with Master Builders (now BASF) working with both pre-packaged grouts and concrete admixtures, was president of the Spray-Cure/Chemmasters Company in Ohio from 1986 s-1995, and has been with Specrete since then.

Jon Huff, P.E., Project Manager at Richard Goettle, Inc., has a M.S. in Civil Engineering from the University of Kentucky. He has managed design-build projects involving ACIP piles, micropiles, and anchored earth retention systems. Jon contributes in all major links of the construction chain with Goettle: engineering design, estimating, project management and relationship building. He is a former chairman of the Cincinnati Section of the ASCE Geotechnical Group, is an active member of DFI, specifically DFI's ACIP Pile Committee, PDCA, and ADSC.

Dr. Antonio Marinucci, Ph.D., P.E., Principal, V2C Strategists LLC, is a (part-time) Research Professor and Lecturer at New York University, and Executive Editor at Deep Foundations Magazine. He has been a design engineer, a project engineer, an estimator, and a construction manager for a variety of government and private projects involving temporary/permanent earth retention systems, drilled and driven deep foundation systems, underpinning, and ground improvement systems. Dr. Marinucci received a BSCE and MBA from the University of Rhode Island, an MSCE from Northeastern University, and a PhD from the University of Texas at Austin.

Dr. John J. McElroy, Jr., Ph.D., P.E., Senior Associate/Vice President, Geotechnical Engineering & Geosynthetics, has 30 years of experience conducting geotechnical investigations for various projects and providing soils engineering and foundation recommendations for design and construction. He has been responsible for the design, instrumentation, monitoring and evaluation of shallow, deep, and mat foundation systems, earth retention systems, soil improvement techniques, geosynthetic installations and soil and rock anchors. He has managed field resident engineers providing construction inspection services involving excavation support, subgrade preparation and soil improvement for shallow foundation support, pile driving and drilled pier installation.