



**Pile Dynamics, Inc.**

**Presents**

**State of Practice: Quality Control of Deep Foundations Workshop**

**Thursday, October 19, 2017**



**at the  
Sheraton Columbia Town Center Hotel  
10207 Wincopin Circle  
Columbia, MD 21044  
410.730.3900**

## Registration starts at 8:00am

**Thursday, October 19, 2107 8:30am – 5:00pm**

### **State of Practice: Quality Control of Deep Foundations Workshop**

#### **Who should attend:**

Geotechnical, structural and construction engineers; contractors, researchers and students interested in or having the need for Load testing and quality control of deep foundations. Topics covered include static testing, high strain dynamic testing, low strain integrity testing (PIT), Cross-hole sonic logging (CSL), Shaft Inspection, and Thermal Integrity Profiling (TIP).

#### **Certificate of Participation**

This program corresponds to 6.5 Professional Development Hours. A Certificate of Participation documenting the number of hours of instruction (PDH) will be provided to those in attendance. Check with your engineering board of registration for their continuing education requirements.

#### **Program (subject to change)**

8:00	Registration	
8:30	<b>QC/QA of Deep Foundations</b> (pre- or during installation)	
	<b>Overview - Why do we test?</b>	Likins
	PIR	Piscsalko
	SQUID - testing of bottom cleanliness	Piscsalko
	SHAPE – electronic calipers	Piscsalko
	<b>Basic Wave Mechanics</b>	Allin
	PIT	Allin
<b>10:30</b>	<b>Break</b>	
10:45	<b>QC/QA of Deep Foundations</b> (post installation)	
	Crosshole Sonic Logging	Likins
	Thermal Integrity Profiling	Likins
<b>12:15</b>	<b>Lunch</b>	
1:15	<b>Load Testing of Deep Foundations</b>	Allin
	Dynamic Testing (including basic CAPWAP background)	
2:30	Importance of monitoring driven piles	Allin
<b>3:15</b>	<b>Break</b>	
3:30	High Strain Load Testing of Drilled Shafts	Likins
4:00	ASD and LRFD methods; Codes and Economics	Likins
4:30	Static Load Testing Options	Allin
4:45	Discussion	
5:00	Adjourn	

#### **Registration Information:**

This event is free of charge. However, space is limited to the first 50 registrants. To register, please email completed registration form to [Registration@pile.com](mailto:Registration@pile.com).

Name(s): \_\_\_\_\_

Organization: \_\_\_\_\_

Email: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Phone: \_\_\_\_\_

## **Workshop Lecturers**

**George Pisciako, P.E.** is the President of Pile Dynamics, Inc. He is a licensed Professional Engineer in the States of Ohio, Michigan, and New Jersey. He has 30+ years of experience in designing test equipment for the deep foundation industry. He has been involved in the design and development of foundation test equipment including the Pile Driving Analyzer® (PDA) system, Pile Integrity Tester (PIT), Cross Hole Analyzer (CHA), and Thermal Integrity Profiler (TIP) for drilled shafts and ACIP piles as well as the Pile Installation Recorder (PIR) for ACIP piles. He holds US Patents for the design of the Remote Pile Driving Analyzer and the Thermal Wire® cable system.

**Garland Likins, P.E., M.ASCE**, is the senior partner and past president of Pile Dynamics, Inc., a manufacturer of quality assurance products for deep foundations. He is a licensed Professional Engineer in Ohio and a former principal of GRL Engineers, Inc., providers of deep foundation testing services. In his 45 years since participating in the original dynamic pile testing research at Case Western Reserve University, Garland has performed countless field tests and directed the development of several field testing devices for deep foundations. He is active in committees for ASTM, ADSC, DFI, and PDCA. He authored numerous publications and frequently lectures on deep foundations.

**Ryan Allin, P.E.**, is a senior engineer and partner in GRL Engineers and Pile Dynamics. He has a B.S. in Civil Engineering from Cleveland State University and has achieved Expert level on the PDCA/PDI Dynamic Measurement and Analysis Proficiency Test. After several years performing the entire range of services offered by GRL throughout the United States and in international offshore projects, Ryan is currently responsible for all GRL's educational programs for foundation testing professionals. In that capacity he has lectured on numerous seminars, webinars and workshops on foundation testing and has co-authored papers on the subject. Ryan is a member of the American Society of Civil Engineers and a registered professional engineer in Ohio, Pennsylvania, West Virginia, Delaware and Kentucky.

## **Hotel Reservations**

**Attendees should make their own hotel reservations.**

### **Hotel Name: Sheraton Columbia Town Center**

- Group Rate: \$132.00/per night, plus applicable taxes (currently 12.5%)
- Sheraton Link: <http://www.sheratoncolumbia.com/>
- \*Complimentary Shuttle within 5 miles of the hotel
- \*Complimentary Overnight Self-Parking
- \*Complimentary Wireless Internet with Link@Sheraton
- \*Complimentary Use of Fitness Center