



Richmond, VA  
Friday, April 12, 2019  
7:30am – 5:00pm

## STATE OF PRACTICE: QUALITY CONTROL & QUALITY ASSURANCE OF DEEP FOUNDATIONS WORKSHOP

Friday, April 12, 2019  
7:30 A.M. – 5:00 P.M.

**Delta Hotels by Marriott Richmond Downtown**  
**555 East Canal Street**  
**Richmond, VA 23219**  
**804-788-0900**

Pile Dynamics, Inc presents a one-day workshop on the *State of Practice: Quality Control and Quality Assurance of Deep Foundations* and various testing methods.

**Registration opens at 7:30am**

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### **PROGRAM TO INCLUDE:**

- QA/QC of Deep Foundations (Pre-, During and Post Installation)
  - Overview
  - Pile Installation Recorder (PIR)
  - Shaft Quantitative Inspection Device (SQUID)
  - Shaft Area Profile Evaluator (SHAPE)
  - Low Strain Integrity Testing (PIT)
  - Crosshole Sonic Logging (CSL)
  - Thermal Integrity Profiling (TIP)
- Wave Equation Analysis
- Load Testing of Deep Foundations
  - Static Load Testing Options
  - Dynamic Testing
  - CAPWAP Analysis
- High Strain Load Testing of Drilled Shafts
- ASD & LRFD Methods: Codes and Economics
- Open Discussion

All course materials, breakfast, lunch and afternoon snack are provided in registration fees.



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## LEARNING OBJECTIVES

- Assess capacity of driven piles, drilled shafts and ACIP piles by various field-testing applications including Dynamic Load Testing with the PDA, CAPWAP analysis and Static Load Tests
- Assess Integrity of drilled shafts by various NDT methods including Thermal Integrity Profiling, Shaft Quantitative Inspection, Shaft Area Profile Evaluation, Crosshole Sonic Logging, and Low Strain Integrity Testing
- Learn the advantages and limitations of various integrity and capacity methods, and choosing the appropriate methods for analysis

## 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.

## 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<sup>®</sup> (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<sup>®</sup> cable system.

**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 if needed.**

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**PARKING:** \$15/day



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# REGISTRATION: STATE OF PRACTICE: QUALITY CONTROL OF DEEP FOUNDATIONS WORKSHOP – RICHMOND

## Friday, April 12, 2019

This event space is limited to the first 30 registrants. To register, please email completed registration form to [registration@pile.com](mailto:registration@pile.com) by April 11, 2019.

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

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

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

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

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

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

### Registration Fees (includes, course notes, breakfast, AM/PM breaks and lunch):

- Workshop Only (8:00am – 5:00 pm) **\$100.00**
- Government Employees - 50% discount on workshop

Amount: Program total \$ \_\_\_\_\_

Discount (if applicable) subtract \$ \_\_\_\_\_

**Grand total** \$ \_\_\_\_\_

### CREDIT CARD INFORMATION

I am paying by: \_\_\_ VISA \_\_\_ MasterCard \_\_\_ American Express \_\_\_ Check

Name (as on credit card): \_\_\_\_\_

Account no.: \_\_\_\_\_ Expiration date: \_\_\_/\_\_\_

Verification code: \_\_\_\_\_

Signature \_\_\_\_\_