



Vancouver B.C.
Monday, April 29, 2019
7:30am – 5:00pm

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

**Monday, April 29, 2019
7:30 A.M. – 5:00 P.M.**

**Delta Hotels Burnaby Conference Centre
4331 Dominion Street
Burnaby, BC V5G 1C7
(604) 453-0750**

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. In addition, PDI is offering participants the option to take the [Dynamic Measurement and Analysis Proficiency Test](#).

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
- **OPTIONAL: *Dynamic Measurement and Analysis Proficiency Test offered***

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 Piscsalko, 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.

Patrick Hannigan, P.E. is a Senior Engineer and director with Pile Dynamics, Inc. He has spent the vast majority of his 39-year engineering career focused on deep foundation design and testing. He received a Bachelor of Science degree in Civil Engineering from the University of Notre Dame, and a Master of Science degree in Civil Engineering from the University of Missouri-Rolla. He has published numerous technical papers and was the principal author for the 1996, 2006, and 2016 editions of the Federal Highway Administration manual "Design and Construction of Driven Pile Foundations". He is a licensed professional engineer in 22 states and is a member of the American Society of Civil Engineers, Deep Foundations Institute, Pile Driving Contractors Association, and the Association of Drilled Shaft Contractors.

HOTEL RESERVATIONS

Attendees should make their own hotel reservations if needed.

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PARKING: \$12 valet/complimentary self-parking



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REGISTRATION: STATE OF PRACTICE: QUALITY CONTROL OF DEEP FOUNDATIONS WORKSHOP – VANCOUVER

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This event space is limited to the first 30 registrants. To register, please email completed registration form to registration@pile.com by April 26, 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
- Dynamic Measurement and Analysis Proficiency Test (No Discounts) **\$200**

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 _____