



OCTOBER 12, 2018

DEEP FOUNDATIONS

NON-DESTRUCTIVE TESTING

Deep Foundations NDT Short Course

The Manitoba Section of the Canadian Geotechnical Society is pleased to host Pile Dynamics Inc. (PDI) presenters George Piscalco Sr and Patrick Hannigan to discuss non-destructive testing methods for deep foundations. The course will include an overview of both the theory and application of select NDT methods including drilled shaft base integrity, submerged excavation area profile evaluation, low strain integrity testing, dynamic testing, crosshole sonic logging, and more.

Membership Status	Price	Registration and Payment Link
Member	\$ 250	Buy Now
Non-Member	\$ 300	Buy Now
Student	\$ 100	Buy Now

Note: Registration fees non-refundable after registration deadline



The registration deadline for this event is

OCTOBER 5, 2018

cgsmanitoba.ca/short-courses/up-coming/

QA/QC of Deep Foundations

Basic Wave Mechanics

Load Testing of Deep Foundations

Codes and Economics

Driven
Drilled Shafts
Helical
Continuous Flight

PRESENTED AT

Victoria Inn Hotel and
Convention Centre

1808 Wellington Ave.
Winnipeg, MB

October 12, 2018



DEEP FOUNDATIONS - NDT PRESENTERS



George Piscsalco Sr P.E.

George Piscsalko is the President for Pile Dynamics, Inc. He is a registered Professional Engineer in the States of Ohio, Michigan, and New Jersey. He has over 34 years' 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) for driven piles, 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 and the Shaft Area Profile Evaluator (SHAPE) for drilled shafts. He holds two US Patents for the design of the Remote Pile Driving Analyzer and the Thermal Wire system.

Patrick Hannigan P.E.

Patrick Hannigan is a Senior Engineer and Director with Pile Dynamics Inc. He has a BS in Civil Engineering from the University of Notre Dame, and a MS in Civil Engineering from the University of Missouri-Rolla. He has published in numerous journals and was the Principal Investigator for both the 1995 and 2006 editions of the Federal Highway Administration manual "Design and Construction of Driven Pile Foundations." Pat is Co-Principal Investigator for the National Cooperative Highway Research to incorporate specifications into AASHTO code. He is a Licensed Professional Engineer in 17 states. Hannigan has achieved Expert Level on the PDCA/ PDI Dynamic Measurement and Analysis Proficiency Test. He is a member of the American Society of Civil Engineers, Deep Foundations Institute and Pile Driver Contractors Association.





DEEP FOUNDATIONS - NDT AGENDA

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| 7:30 am | Registration |
| 7:45 am | Breakfast service begins |
| 8:20 am | Welcome and Opening Remarks |
| 8:30 am | QA/QC of Deep Foundations (pre or during-installation) <ul style="list-style-type: none">Overview: why do we test?Pile Installation Recorder (PIR)Testing bottom cleanliness with Shaft Quantitative Inspection Device (SQUID)Measure foundation excavation with Shaft Area Profile Evaluator (SHAPE)Low strain integrity testing using Pile Integrity Tester (PIT) |
| 10:00 am | Coffee Break and Networking |
| 10:15 am | QA/QC of Deep Foundations (post-installation) <ul style="list-style-type: none">Crosshole Sonic LoggingThermal Integrity Profiling |
| 11:45 am | Wave Equation Analysis |
| 12:15 pm | Lunch and Networking |
| 1:15 pm | Load Testing of Deep Foundations <ul style="list-style-type: none">Static Load Testing OptionsDynamic TestingCAPWAP Analysis |
| 3:00 pm | Coffee Break and Networking |
| 3:15 pm | High Strain Load Testing of Drilled Shafts |
| 4:00 pm | ASD and LRFD methods; Codes and Economics |
| 4:30 pm | Discussion |
| 5:00 pm | Closing Remarks |
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