



Quality Control/Quality Assurance of Deep Foundations One-day Seminar



Monday, 05 November, 2018
Novotel Sydney Darling Harbour
70-100 Murray St, Pyrmont NSW 2009

Who Should Attend?

This one-day seminar is suitable for those in the field of deep foundation testing and analysis, and includes an overview of recent advances in non-destructive testing methods (load testing and integrity testing) of bored piles and driven piles. It is also suitable for:

Consultants, owners, contractors and governmental officials who specify testing of deep foundations

Geotechnical, structural and construction engineers

Student and professors involved in the design, construction and specification of deep foundations

Learning Outcomes

At the end of the one-day seminar, attendees should be able to:

Understand basic concepts of various field testing applications including static tests, dynamic tests and other NDT methods (e.g. crosshole sonic logging, low strain integrity testing, thermal integrity profiling, callipers, and other inspection devices)

Learn the advantages and limitations of various integrity and capacity methods in assessing bored piles and driven piles and choose the appropriate methods for analysis.

Understand basic concepts of PDA testing and advancements in dynamic load testing of bored and driven piles.

Registration

QA/QC for Deep Foundations

08.00	Registration
08.30	QA/QC of Deep Foundations (pre- or during installation) Overview - Why do we test? Shaft Quantitative Inspection Device (SQUID) Shaft Area Profile Evaluator (SHAPE) Pile Installation Recorder (PIR) Pile Integrity Tester (PIT)
10.00	Break
10.15	QA/QC of Deep Foundations (post installation) Crosshole Sonic Logging (CSL) Thermal Integrity Profiling (TIP) Wave Equation Analysis with GRLWEAP Pile Driving Monitor – PDM
12.30	Lunch
13.15	Static Load Testing and the Static Load Tester (SLT) System High Strain Dynamic Pile Testing with the Pile Driving Analyzer®
15.45	Break
16.00	High Strain Dynamic Load Testing of Drilled Shafts with the PDA-DLT Australian Codes and Economics of Dynamic Testing Q&A
17.00	Adjourn

A Certificate of Participation documenting the number of hours of instruction (PDH) will be provided. Check with your engineering board of registration for their continuing education requirements.



Patrick Hannigan, P.E., 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 the 2006 editions of the Federal Highway Administration manual "Design and Construction of Driven Pile Foundations". Pat is a 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 Driving Contractors Association.



Limited number of participants. Please complete the below registration and return via email to registration2@pile.com by **Friday, 2 November, 2018**

Registration Form - Please fill out and email to richard@empasia.co or registration2@pile.com

Name(s)		
Organisation		
Address		
City		
State/Province		
Postal Code		
Country		
Phone		
Fax		
Email		
Registration Fees (includes course notes, breakfast, AM/PM breaks and lunch):	Cost	Selection
EARLY BIRD RATE – BEFORE OCTOBER 15, 2018	\$280 AUD	<input type="checkbox"/>
One-Day Seminar	\$330 AUD	<input type="checkbox"/>

Additional Information

PAYMENTS:

Electronic Transfer EFT: Commonwealth Bank BSB: 063236 Account No: 1034 2987 Name: EMP Piletec Pty Ltd

Payment also available via credit card. Please email either richard@empasia.co or registration2@pile.com for the credit card form. **NOTE: AUD to USD conversion rates change daily.**

ADDITIONAL INFORMATION

Hotel Reservations: Attendees should make their own hotel reservations. novoteldarlingharbour.com.au

Refund Policy: Cancellations prior to three weeks before the event would receive a 50% refund.

For more information, contact Richard Yu from EMP Piletec Pty Ltd: O: +61 3 9893 4286, M +61 430 30 480
email: richard@empasia.co, or info@pile.com.