

Lloyd Acoustics Ltd and Engineers Ireland Present:
**A Quality Control/Quality Assurance of Deep
Foundations Testing & Analysis Workshop**

By Pile Dynamics, Inc.

21 September 2018 | DUBLIN

Engineers Ireland | 22 Clyde Road, Ballsbridge Dublin 4 | Ireland



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 cast-in-situ and driven piles.

The seminar is also suitable for:

- Piling contractors and design engineers
- 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, calipers, and other inspection devices)
	Learn the advantages and limitations of various integrity and capacity methods in assessing cast-in-situ and driven piles and choose the appropriate methods for analysis.
	Understand basic concepts of PDA testing and advancements in dynamic load testing of cast-in-situ piles.

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.

Registration Deadline September 14, 2018

Agenda

QA/QC for Deep Foundations Testing & Analysis

08.45	Registration
09.30	Opening Address
09.40	Why We Test QA/QC of Deep Foundations Pile Installation
10.05	QA/QC of Deep Foundations (Post Installation)
10.30	Chris Fox - Piling the World's Largest Extradosed Bridge
10.50	Q&A Session
11.10	-- Tea Break --
11.30	Thermal Integrity Profiling
12.10	Dynamic Testing
12.40	Paul Quigley - Case Histories from Onshore and Near Shore Pile Testing
13.00	Q&A Session
13.20	-- Lunch Break --
14.10	Dynamic Testing (continued)
14.40	Case Studies - Economics of Testing Codes and Standards
15.20	Nigel Dillon - State of Practice in Ireland
15.40	Panel Discussion
16.00	Closing Remarks

REGISTRATION

Limited seating available. Please register via Engineers Ireland registration system:

<http://www.engineersireland.ie/cpd-training/cpd-training/training-calendar/2018/september/quality-control-quality-assurance-of-deep-foundati.aspx>

Registration Fees (includes course notes, breaks snacks and lunch):	Cost
Member Early Bird Rate (before 7 September)	€145
Non-Member Early Bird Rate (before 7 September)	€195
Member Rate (after Friday 7 September)	€195
Non-Member Rate (after Friday 7 September)	€245

WORKSHOP LECTURERS



George Piscsalko, P.E., President of Pile Dynamics, Inc. is a registered Professional Engineer in the states of Ohio, Michigan and New Jersey. He has over 30 years of experience in designing test equipment for the Deep Foundations 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. He holds US Patents for the design of 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 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 Driving Contractors Association.



Nigel Dillon, Managing Director of Lloyd Acoustics Ltd. Nigel Has been Managing Director of Lloyd Acoustics since 2000, with 25 years of experience in the pile foundation industry, with shared company directorships & growth in the UK & Poland. Nigel has been a leader in Europe of using Pile Dynamics Inc's testing Equipment and software. Nigel has a vast experience in numerous testing disciplines and has worked and consulted worldwide. Nigel is a member of DFI and PDCA.



Christopher Fox, Projects Manager, Murphy International Ltd. Christopher studied Civil Engineering at Dublin Institute of Technology and went on to complete an environmental post grad in Trinity College 4 years later. He has completed dissertations on 'Embedded Retaining Walls' and 'Dynamic vs Static testing of piles'. During college he worked part time with Murphy International at weekends and during the summer. In 2012 he went back to Murphy International as a site engineer managing individual piling sites all over Ireland and the UK. He is now the Projects Manager for Murphy Ground Engineering and is involved in all of the piling projects from tender stage to final handover.



Paul Quigley, Principal Engineer at Gavin and Doherty Geosolutions, is a Chartered Engineer with over twenty years' experience. Paul is an Advisor on the UK Register of Ground Engineering Professionals (RoGEP) and is also a former chairman of the Geotechnical Society of Ireland. He has worked on a wide variety of projects for employers, contractors and third parties ranging across major infrastructure schemes in Ireland and overseas, flood protection schemes, retaining walls and basement projects, ground investigations and forensic reviews of failures. Paul and his colleagues at GDG have been using static and dynamic pile testing on a variety of onshore and offshore piles and have developed a series of interesting case studies.