



**GEOTECH EFATHAMA
(PDI REPRESENTATIVE FOR INDONESIA)**

**&
PILE DYNAMICS, INC. (PDI)**

GEOTECH

Present

Supported by:



**A Workshop on
Deep Foundation Testing and Analysis**

7 – 9 August, 2018

Sunlake Hotel – Sunter, Indonesia



📖 Learning objectives:

At the end of workshop attendees will be able to:

- Select an appropriate method of integrity assessment of deep foundations for a particular application.
- Review reports of integrity and dynamic load testing of deep foundations conducted by others.
- Operate the PDA in a manner conducive to acquiring good quality data.
- Assess pile bearing capacity, pile driving stresses, hammer performance and pile integrity by various methods
- Avoid pitfalls when analyzing PDA data with the CAPWAP software
- Interpret PDA testing and CAPWAP software results
- Describe the soil-model used in CAPWAP
- Review options for CAPWAP analysis and output
- Knowing myth and fact could get from PDA-CAPWAP

😊 Who should attend:

- Pile Driving Analyzer® (PDA) and CAPWAP® users interested in sharpening their skills
- PDA and CAPWAP users interested in taking the Dynamic Measurement and Analysis Proficiency Test*

👤 Workshop Lecturers

➤ **Liqun Liang** currently is a senior research engineer and Vice President of Pile Dynamics, Inc.(PDI). He has a PhD in Geotechnical Engineering from Case Western Reserve University (CWRU). While being in charge of the development and improvement of the CAPWAP, GRLWEAP and PIT-W, Dr. Liang also has tested and analyzed the foundations of multiple bridges, stadiums, offshore oil platforms and other structures for over 19 years. Dr. Liang is a registered Professional Engineer in multiple states in the USA and has achieved Expert level on the PDCA/PDI Dynamic Measurement and Analysis Proficiency Test. He is also a member of American Society of Civil Engineers. Dr. Liang is the author of multiple peer reviewed papers and has lectured on numerous seminars and workshops on foundation testing.

➤ **Aksan Kawanda** is the principal of Geotech Efathama, a firm that provides foundation testing and geotechnical services. He is a PDI representative in Indonesia, and has more than 10 years of experience as a geotechnical engineer, specializing in deep foundations and dynamic pile testing. He is a registered Geotechnical Engineer in Indonesia. He provides technical assistance and training for PDA clients in the Asia Pacific region and has achieved Expert in the PDCA/PDI Dynamic Measurement and Analysis Proficiency Test.

👉 **Registration Fees** (includes: course notes, AM/PM breaks and lunch):

- ☐ Deep Foundation Dynamic Testing and Analysis Workshop Rp. 4.200.000**
- ☐ Dynamic Measurement and Analysis Proficiency Test (No Discounts) Rp. 3.500.000

♥ Special discount for Early Bird**

Rp. 750.000 registration prior to Apr 30, 2018 &

Rp. 500.000 registration prior to Jun 30, 2018

For foreign payment use exchange rate

1USD = Rp.13.500

🕒 **Closing Date & Limited Seating:**

Limited seat up to 80 participants.

Please send in the registration form with your payment before **27 July 2018**





\$ Payment Mode:

Wire transfer of full payment
 Payable to "Suswati"
 Bank Central Asia, Sunter Mall Branch.
 Acc no. 4281500389
 Swift Code: CENAIDJA
 Please send in the registration form with your **full payment receipt** to our email address:
 ✉ seminar@geotech-indonesia.com

◆ Hotel Reservations

Individuals should make their own reservations at the hotel directly:
 Sunlake Hotel, Jl. Danau Permai Raya C1 Sunter, Jakarta 14350 ☎ +62.21.650-9969
 Fax +62.21.650-9969. www.sunlakehotel.com
 Reserve early and mention Group Name "Geotech" to secure the special rate.

📅 Schedule:

Tuesday, August 7, 2018, 8:00 - 17:00

8:00 Registration
 8:30 Wave Mechanics – Basics
 9:10 Non-destructive testing – High and Low Strain
 10:15 Break
 10:30 Drilled shaft quality control (SQUID and SHAPE)
 11:00 Cross-hole Sonic Logging
 11:30 Thermal Integrity Profiling
 12:00 Lunch
 13:00 Advanced Techniques of Low Strain Test
 14:00 Wave Equation Background
 15:00 Break
 15:15 Wave Equation Workshop: Bearing Graph, Inspector's Chart
 16:00 Wave Equation Workshop: Driveability
 16:45 Question and Discussion
 17:00 Adjourn

Wednesday August 8, 2018, 8:00 – 17:00

8:00 Registration
 8:30 Wave Mechanics for PDA testers
 10:15 Break
 10:30 PDA Testing – Proper Practices
 12:30 Lunch
 13:30 PDA Testing – Proper Practices (cont.)
 14:00 Dynamic Testing of Drilled Shafts and Augured Piles
 15:00 Break
 15:15 PDA Workshop: Integrity, Stresses, Energy
 15:50 PDA Workshop: Capacity Calculation
 16:30 The Static Load Tester (SLT) System
 17:00 Adjourn

Thursday August 9, 2018, 8:30 - 17:00

8:30 Registration
 9:00 PDA Data Quality – Examples
 9:40 Demo of New Developments
 10:00 CAPWAP Background
 10:45 Break
 11:00 CAPWAP Background (cont.)
 12:00 Lunch
 13:00 CAPWAP Workshop: Basic Examples
 14:00 CAPWAP Workshop: Bored Pile Analysis Methods
 14:45 Break
 15:00 **Dynamic Measurement and Analysis Proficiency Test***
 17:00 Adjourn

* At the end of the Workshop participants may take a multiple choice **Dynamic Measurement and Analysis Proficiency Test** which will take less than 1-½ hours to complete. The test covers the theory of Wave Mechanics, Case Method (PDA) equations, data quality assessment, data interpretation and basic CAPWAP analysis. The test is designed for those with experience in using the PDA and CAPWAP. Those taking the test are advised to study "Appendix A" and "Helpful Hints" of the PDA manual, review some of the EXAMPLE data provided with the PDA, and read the CAPWAP background material. Those without access to these manuals and examples should contact softwaresales@pile.com in advance of the test date by showing payment receipt. Visit the Proficiency Test website www.PDAProficiencyTest.com to learn more about this test. A Certificate of Proficiency will be awarded to those who pass the test. The Level indicated on the Certificate is dependent on the score achieved on the test.

👋 Questions??

Ms. Agnes (Wiwin) or Ms. Ricka Candra
 ✉ seminar@geotech-indonesia.com

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