

**1 – Day Course on
“Pile Foundation Testing and Analysis Method”**

Co-organized with IEM (Sarawak Branch) Graduate & Student Section

Date	17 April 2018 (Tuesday)
Time	8.30 am – 4.30 pm
Venue	Auditorium, Ultimate Professional Centre Kuching
Reg. Fee	<i>IEM Member – RM180.00</i>
	<i>Non IEM Member – RM230.00</i>

Synopsis

In a Maintained Load Test, all those involved in the testing process know and understand what to observe and supervise during the testing. And when the results are presented, the Engineer knows what parameters to look at and how to interpret the results. However, the scenario is different for Dynamic Load Tests (PDA). Despite the numerous PDA tests routinely specified annually in Malaysia, there is still a lack of basic understanding of the whole process and how to interpret the test results

This seminar aims to provide the Engineer with a better understanding on how to supervise a PDA test, a basic understanding on the test data and finally confidence in interpreting the test report and making full use of the data provided in the report.

Learning Objectives:

1. Data acquisition –how to supervise a PDA test
2. Data interpretation – how to make sense of the PDA graphs
3. Data Review – how to interpret the test report
4. Demonstration on how to review PDA data

Who should attend:

Site engineers who are in charge of supervising testing.

Engineers, consultants, foundation professionals who desire to have a better understanding of the dynamic test results being presented to them.

Speaker

Mr Chong Mun Fai

Mr. Chong Mun obtained his B.Eng (Civil) from Monash University Melbourne, Australia (1990). He has been involved in the foundation testing industry since 1989. During the years he participated in numerous PDA Users Days in Malaysia, Singapore, Thailand, Indonesia, Hong Kong and USA where in depth training of High Strain Dynamic Load Testing and interpretation was taught. He is a certified PDA tester with a MASTER level in Dynamic Measurement and Analysis Proficiency Test from Pile Driving Contractors Association, USA.

**THE INSTITUTION OF ENGINEERS, MALAYSIA
(Sarawak Branch)**

Ultimate Professional Centre, 2nd Floor, No. 16, Jalan Bukit Mata Kuching, 93100 Kuching, Sarawak
Tel: 082-428506 Fax: 082-243718 Email: iemsarawak@gmail.com Website: www.iemsarawak.org

Committee member:

- Geotechnical division of IEM in the session of 2005/2006.
- The 7th International Conference on the Application of Stresswave Theory
- Academic Committee of the 6th International Forum on Optoelectronic Sensor-based Monitoring in Geo-engineering, Nanjing.

Published papers:

- 7th Stresswave conference – High Strain Dynamic Pile Testing on Heaved Piles
- Pile 2017 Bali – Dynamic Pile Testing on Press-In (Jacked) Piles
- UTM Journal – Characterizing Anomalies in Distributed Strain Measurements of Cast-In-Situ Bored Piles
- South East Asia Tunnel and Underground Space 2017 – Underground Structure Behaviour and Deformation Monitoring with Distributed Fibre Optic Sensor
- 19th ISMGE Seoul - Investigation of shaft friction mechanisms of bored piles through distributed optical fibre strain sensing
- Pile 2017 Bali - Instrumented Pile Load Tests on Rock Socketed Piles with Distributed Fibre Optic Sensor.

Training and seminars conducted for:

- IEM & JKR
- University Parahyangan, Bandung
- Advancement of Pile Testing Technology (Bali) organised by Himpunan Ahli Teknik Tanah Indonesia (HATTI).

At present he is the Managing Director of Dynamic Pile Testing Sdn Bhd which he set up in 1994. In 2015 he established Smart Sensing Technology Sdn Bhd to facilitate testing using Fibre Optics Sensing. Most of the work are in Malaysia but the services of DPT has spread to countries like New Zealand, Australia, Guam, Philippines, Indonesia, Papua New Guinea, Taiwan, Singapore and the middle east like Saudi, UAE and Yemen.

Programme

8:30 am – 9:00 am	Registration
9:00 am – 9:15 am	Introduction
9:15 am – 10:30 am	Proper practice for High Strain Dynamic Pile Testing
10:30 am – 10:45 am	Tea Break
10:45 am – 11:50 am	How to supervise a PDA test? What to look out for during site testing.
11:50 am – 1:00 pm	Results interpretation. How do I use the results of PDA testing?
1:00 pm – 2:00 pm	Lunch
2:00 pm – 4:00 pm	Other methods of pile testing
4:00 pm – 4:15 pm	Tea Break
4:15 pm – 4:30 pm	Q&A
4:30 pm	End

One-Day Course on “Pile Foundation Testing and Analysis Method”

17 April 2018, Tuesday

REGISTRATION

Fees

IEM Member : RM180.00

Non-IEM Member : RM230.00

6 CPD/PDP

(BEM Approved CPD/PDP Hours)

Ref No: IEM18/SWAK/016/C

Closing Date for registration: Monday, 9 April 2018 (not later than 5:00pm)

To: Secretariat

The Institution of Engineers Malaysia (Sarawak Branch)

No. 16, Jalan Bukit Mata Kuching

93100 Kuching

Tel: (082) 428 506 Facsimile: (082) 243 718 E-mail: iemsarawak@gmail.com Website: www.iemsarawak.org

No.	Name(s) in CAPITALS	Email Address	IEM No.	P.Eng No.	Fee (RM)
Total					

Enclosed herewith, a crossed cheque no.: _____ for the sum of RM _____ issued in favour of “**IEM (Sarawak Branch)**”. I/We understand that the fee is not refundable for no-show/cancellation after my/our registration (is) is/are accepted but substitution of participant(s) will be allowed. The Organizer reserves the right to cancel, alter or change the programme due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. **Two (2) Tea-Breaks and one (1) Lunch will be served.**

Please read on announcement to note for further details.

Name of Department/Organization: _____

Address: _____

Tel (O): _____ Fax: _____ E-mail: _____

Contact Person: _____ Designation: _____

Date: _____ Signature: _____

Announcement to note:

- 1 Admission is RM180 for IEM Member/Government and RM230 for Non-IEM Member.
- 2 All payment should be made payable to “**IEM (Sarawak Branch)**” or “**The Institution of Engineers Malaysia (Sarawak Branch)**”, **Standard Chartered Bank Malaysia, Acc No: 420-1-5651-8528**. Kindly fax/email us your payment slip for direct bank - in and quote our reference when making payment.
- 3 Fee is not refundable for no-show/cancellation once registration is accepted but substitution of participant(s) will be allowed.
- 3 Closing date for registration & payment: **9 April 2018 (Monday) not later than 5:00pm** or to the first paid thirty-five (35) pax otherwise whichever come first).
- 4 No walk-in or last minute registration will be entertained.

*** For IEM members, membership cards should be presented for identification purpose. Failure to present the card will be declared as non-members and will be necessitate payment of the said fee.**