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BEM Approved
CPD/PDP Hours: 16
Ref. No: IEM07/HQ/287/C

**I -DAY SHORT COURSE & 1/2-DAY OPEN FORUM
ON
DYNAMIC PILE TESTING**

Date: 26-27 April 2010

Time : 8.30 am – 5.00 pm

Venue : IEM Auditorium, 3rd Floor,

Wisma IEM,

Petaling Jaya (Opposite IEM)

Speaker : Professor Samuel G. Paikowsky



Organised by

As Malaysia is still a developing nation, there is enormous scope for the piling industry in participating all types of development projects. Due to the affordability of the modern pile testing equipment utilising dynamic pile testing technique and its computerised data processing and automatic interpretation capabilities, such testing technique has become an attractive testing tool to swiftly verify the integrity and also predict the mobilised capacity of installed piles.

IEM GETD has initiated to organise a short course to update the recent development of this testing technique and open forum to openly discuss on the problems associated with such testing technique and solicit a consensus view of the certain preferred practices for the betterment of the piling industry.

Programme of the Short Course (26 April 2010) :

- 08:30 – 09:00 Registration
- 09:00 – 10:30 Lecture 1 - Principles – Pile Driving,
Dynamic Analyses of driven Piles, Dynamic Testing
- 10:30 – 11:00 TEA
- 11:00 – 12:30 Lecture 2 - Analyses of Dynamic Testing and
Related Issues: Required Knowledge, Quality of
Data, Field Interpretation Methods and Pile
Integrity
- 12:30 – 14:00 LUNCH
- 14:00 – 15:00 Lecture 3 - Limitations and Reliability of High
Strain Dynamic Pile Testing including Mechanics,
Analyses and Effects of Pile Penetration

15:00 – 16:00 Lecture 4 - Special Topics: Open Pipe Piles
and Dynamic Testing on Drilled Foundations
16:00 – 16:15 TEA
16:15 – 17:15 Lecture 5 - Good engineering Practices –
International perspective including Standards, and
Reliability Based Design

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Open Forum on Dynamic Pile Testing (27 April 2010) :

08:30 – 08:50 Registration
08:50 – 09:00 Opening Remark
09:00 – 09:30 Panelist 1 – Ir Dr. H. M. Aziz [s2](Government
Agency)
09:30 – 10:00 Panelist 2 – Prof. Samuel Paikowsky
(Academia)
10:00 – 10:15 TEA
10:15 – 10:45 Panelist 3 – Ir. Dr. Toh Cheng Teik [s3]
(Consultant)
10:45 – 11:15 Panelist 4 – Ir. Teh Kim Ong [s4](Testing
Specialist)
11:15 – 12:00 Open discussion
12:00 – 12:30 Conclusion

The CPD points for the short course and open forum will be given separately based on the attendance. Participants of the short course are encouraged to take part in open forum and there will be time allocated for discussions and questions for more specific matters related to dynamic pile testing.

FURTHER DETAILS

Geotechnical Engineering Technical Division
c/o The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62
Jalan 52/4, P.O. Box 223 (Jalan Sultan)
46720 Petaling Jaya

Bio-data for Prof. Samuel G. Paikowsky

Prof. Samuel G. Paikowsky holds a B.S. in Civil Engineering and a MSc. in Geotechnical Engineering from the Technion, Israel Institute of Technology, and a Sc.D. in Geotechnical Engineering from MIT. His initial engineering training was in Holland on the Phillips dam, part of the Delta project. Subsequently, he involved in the design and research work in the deep foundation area working from 1979 to 1982 on offshore structures where he obtained information on static testing of large offshore piles, utilizing dynamic measurements and developing an original means for their interpretation. In 1982 he began his studies at MIT and completed his Sc.D. dissertation in 1989 entitled "A Static Evaluation of Soil Plug Behavior with Application to the Pile Plugging Problem" under the supervision of Prof. Robert V. Whitman. His doctoral work led him to research the fundamental mechanism that controls granular material/solid surface interaction.

In 1989, he joined the Department of Civil Engineering at the University of Massachusetts at Lowell where he established a successful graduate research program in Geotechnical Engineering. His current work is conducted in avenues of basic research relevant to granular material behavior as well as applicable research related to pile design and construction. The basic research developments include original mechanical models, dedicated laboratory and field experimental apparatuses and ideal testing systems utilizing photoelasticity, image acquisition and analysis, and tactile sensor technology. His research is supported by public and private agencies including; the National Science Foundation (NSF), the Federal Highway Administration (FHWA), Massachusetts Highway Department (MHD), Air Force Office of Scientific Research (AFOSR), U.S. Army , Pile Dynamics Inc. and Tekscan Inc.

He is currently a Professor at the University of Massachusetts at Lowell and affiliated with GTR (Geosciences Testing and Research Inc.) of North Chelmsford, Mass., which specializes in static and dynamic testing and analysis of deep foundations.

Dr. Paikowsky is the 1993 recipient of the five year National Science Foundation Young Investigator award (NYI), and the 1996 recipient of the ASTM Hogentogler award.

REGISTRATION FEE

Student Members	RM 275 .00
IEM Members	RM 400.00
Non Members	RM 600.00

Registration fee includes lecture notes, refreshments and lunch and **the entrance fee for the 1/2-day open forum next day**[s]. All payment must be fully paid before commencement of the course. The Organizing Committee reserves the rights to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes.

PROF. SAMUEL G. PAIKOWSKY
1 -DAY SHORT COURSE & 1/2-DAY OPEN FORUM
26-27 APRIL 2010 (MONDAY & TUESDAY)
(limited places on 'first come first served basis')

Name of
Organization:
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Address:
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Email: Handphone:
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Tel:(O).....(Fax):
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Contact Person:..... Designation:
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I/We wish to enroll the following person(s) for the above-mentioned short course and open forum:

Name(s)	M/ship No	Registration Fees
Total payable		

Enclosed herewith a crossed cheque No. for the sum of RM issued in favour of "The Institution of Engineers, Malaysia Account" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/we withdraw after my/our application is/are acceptable by the Organizing Committee but substitution of participant will be allowed. If I/we fail to attend the course, I/we will still settle the registration fee in full.

Signature: Date: