

# **Course on Practical Design, Installation & Testing of Displacement Piles**

**Thursday, 25 October 2018  
(9.00 a.m. – 5.15 p.m.)**

**Hotel Armada Petaling Jaya  
Lot 6, Lorong Utara C, Section 52,  
46200 Petaling Jaya**

Organised by



**The Association of Consulting Engineers Malaysia**

## Key Features / Lessons to be presented & learnt

- Overview of pile design principles & practice for displacement driven and jacked piles in typical site and subsoil conditions.
- Examples and elaborations on scope & methods/procedures of pile design verification/calculations and design validation to meet the requirements stipulated by BS 8004:1986.
- Selected case histories of defective design and defective construction for driven and jacked piles (concrete & steel). Scope of investigation & remediation proposals.
- More than 250 slides and practical reference materials/notes to be given and elaborated.

## Registration Fee

ACEM member firms	RM 600.00 per person
Others	RM 700.00 per person

The registration fee shall be made payable to '**The Association of Consulting Engineers Malaysia**' by crossed cheque and to be submitted with the completed registration form by **18 October 2018** to:

The Association of Consulting Engineers Malaysia  
Suite 20-9, Level 20, Menara 1MK  
No. 1, Jalan Kiara, Mont' Kiara  
50480 Kuala Lumpur

The registration fee is non-refundable. However, substitution of participants can be arranged by informing the organiser one week before the course commences.

## Continuing Professional Development

The course is eligible for 8 CPD hours for Professional Engineers registered with the Board of Engineers Malaysia, and a Certificate of Attendance will be issued subject to full attendance.

## Enquiries

For enquiries, please contact the ACEM secretariat at tel. no. 012-5290031, 012-5190031 or e-mail [sec@acem.com.my](mailto:sec@acem.com.my).

## Programme

- 08:30 Registration
- 09:00 Opening Remarks
- 09:10 Overview of pile foundation design & construction. Comparisons of pile design methods by ASD (BS 8004), LSD (EC 7) & LRFD (AASHTO).
- 10:10 Tea break
- 10:30 Elaboration of design & construction requirements of displacement piles (**driven & jacked**) as stipulated by BS EN 12699:2000 with particular reference to ground investigation, materials & products, execution (driving & jacking, driveability analysis, QC & testing, etc.), supervision & monitoring plus recording.
- 11:30 Design examples of displacement pile foundation design (geotechnical & structural). Scope of design verification & design validation with examples for driven/jacked RC & spun piles.
- 12:30 Lunch
- 14:00 Common site problems of displacement driven/jacked concrete piles. Mitigations. Case histories.
- 14:45 Case histories of pile foundation design and construction in typical subsoil conditions for driven/jacked RC & spun piles.
- 15:30 Tea break
- 15:45 Comparison of various methods of pile tests to ascertain structural integrity conditions & pile capacity, their applications, limitations and interpretation of test results.
- 16:30 Case histories of driven RC piles & jacked spun pile load tests (SLT/MLT and PDA load tests) plus interpretations of test results.
- 17:15 End of course

## **Speaker's Biodata**

Ir. Neoh Cheng Aik joined JKR/PWD Malaysia after graduating from University of Malaya in 1974, and has served 25 years in various capacities and posts. He is currently the Director of E-Geo Consultant Sdn Bhd, which specialises in geotechnical engineering design & construction.

Ir. Neoh is also frequently engaged as an independent geotechnical design checker and as expert witness in construction disputes related to geotechnical works. He was amongst the first batch of accredited geotechnical independent checkers appointed by BEM. Ir. Neoh has previously served in IEM (Geotechnical Division Chairman & IEM vice President) and REAM (Chairman of Geotechnical Committee on Geotechnics/TC5). He has published/presented more than 50 technical papers on geotechnical and road engineering in various local/international seminars/conferences/ journals/ bulletins.

## Registration Form

(to be returned by 18 October 2018)

### Course on Practical Design, Installation & Testing of Displacement Piles Thursday, 25 October 2018 Hotel Armada Petaling Jaya

Name: \_\_\_\_\_

Designation: \_\_\_\_\_ BEM PE No.: \_\_\_\_\_  
(if applicable)

Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Tel.: \_\_\_\_\_ Contact person: \_\_\_\_\_

E-mail: \_\_\_\_\_

*(confirmation of registration will be sent via e-mail)*

ACEM member firm RM 600.00 per person

Others RM 700.00 per person

Enclosed is cheque no. \_\_\_\_\_ for RM \_\_\_\_\_  
being registration fee for the course.

\_\_\_\_\_  
Signature & Company Stamp

\_\_\_\_\_  
Date