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The Institution of Engineers, Malaysia
 Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720
 Petaling Jaya, Selangor Darul Ehsan

REGISTRATION FORM

1-Day Course on Finite Element Modelling in Tunnels and Tunneling

Date : 29th January 2019 (Tuesday)

No	Name(s)	M'ship No.	Grade	Fee (RM)*
		SUB TOTAL		
TOTAL PAYABLE				

* Fee MUST be fully paid A WEEK BEFORE the commencement of the course. Bookings via fax from outstations MUST be followed with payment at least A WEEK BEFORE the day of the course. Seats could only be confirmed upon payment.

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organisation: _____

Address: _____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

Signature & Stamp

Date

Photocopies are acceptable

1-Day Short Course on Finite Element Modelling in Tunnels and Tunneling

Organised By:

Tunneling & Underground Space Technical Division, IEM

Date: 29th January 2019 (Tuesday)

Venue: Auditorium Tan Sri Prof. Chin Fung Kee,

3rd Floor, Wisma IEM, Petaling Jaya

Time: 8.30am – 6.00pm

BEM Approved CPD Hours = 7

Ref. No. : IEM18/HQ/505/C

REGISTRATION FEE :

<u>Grade</u>	<u>Normal</u>	<u>Online</u>
IEM Student	RM180.00	RM150.00
IEM Graduate	RM250.00	RM200.00
IEM Member	RM400.00	RM350.00
Non IEM Member	RM800.00	RM750.00

Terms & Conditions:

- Closing date: **21st January 2019**
- For ONLINE REGISTRATION, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current ; Credit Card - Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION.
- FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee shall still be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes and refreshments.
- The Organising Committee 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. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

Synopsis

The development of tunnels are important for urban projects as well as to ensure the due performance of deep excavations. For instance, the limitations of any induced deformation during excavation works are important factors to be considered in design. Therefore with the phenomenal increases in development of tunnels in urban area like Klang Valley, tunneling works that are close proximity to existing structures are unavoidable. As such, soil-structure interaction problems will likely to occur including the effects of tunneling on adjacent structures that involved deep foundation works. In this short course, the speakers will share the modelling method that involves tunneling works. Also, modelling methodology of tunneling works using finite element analysis will be covered by the speakers, inclusive of influence by constitutive model as well as tunneling using both both NATM and TBM methods. The application of tunneling method in 3D with correlation to 2D Approach with Embedded Beam Rows will be covered.

Biodata of The Speakers



Dr William Cheang Wai Lum, Plaxis AsiaPac (Singapore)

Dr Cheang graduated with B. Eng (Civil Eng.) from University of East London, 1997 and obtained his PhD from the National University of Singapore in 2006. His interest is in Computational Geotechnics. He has worked as a Geotechnical Engineer in Malaysia, Singapore and Thailand. He is involved in many seminars and workshops around Asia for promotion of good and effective usage of PLAXIS Finite Element Codes.



Dr Lee Siew Wei, Golder Associates Hong Kong (Hong Kong)

Dr Lee graduated with B. Eng (Civil Eng.) from University Technology Malaysia, 1996 and obtained his PhD from University of Cambridge, 2001. He is a Director of Golder Associates Hong Kong Ltd. He obtained his PhD in geotechnical engineering from Cambridge University in 2001 and MBA from HKUST in 2015. He is a qualified civil and geotechnical engineer with more than 15 years of professional experience. He has been an invited lecturer and beta tester of PLAXIS in the past 10 years. He is a Registered Simulation Engineer (Advanced level) with NAFEMS (UK), and Chairman of Association of Geotechnical and Geo-Environmental Specialists, Hong Kong, 2017-2018.

Course Schedule & Outline

PROGRAMME	
08:30 – 09:00	Registration
09:00 – 09:05	Welcoming and Opening Address
09:00 – 10:30	Lecture 1 - Influence of constitutive model on Tunnelling Works
10:30 – 11:00	Tea Break
11:00 – 12:00	Lecture 2 - Modelling of Tunneling in 2D & 3D (Part 1)
12:00 – 13:00	Lecture 3 - Modelling of Tunneling in 2D & 3D (Part 2)
14:00 – 15:00	Lunch
15:00 – 16:00	Lecture 4 - Modelling of NATM Method / TBM Advancement
16:00 – 16:30	Tea Break
16:30 – 17:30	Lecture 5 - Tunneling and Deep Foundation Interaction – Application of 3D Plaxis with Correlation to 2D Approach with Embedded Beam Rows
17:30 – 18:00	Questions & Answers

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice