

REGISTRATION FORM

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Name(s)	Membership No. / Grade	Fees (RM)
Total Amount Payable		

Company: _____

Address: _____

Mobile: _____ Tel(O): _____ Fax: _____

E-mail: _____

(Please write clearly as the "Information Update will be sent via email)

Contact Person: _____ Designation: _____

Signature: _____ Date: _____

PAYMENT DETAILS

Cash RM _____

Cheque no. _____ for the amount of RM _____
(non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA"
and crossed 'A/C Payee Only'.

Terms & Conditions:

- For **ONLINE REGISTRATIONS**, 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.
- For online registrations, please note **that payment MUST be made "ONLINE" before the closing date**. If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.
- 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 participants fail to attend the course, the fee is to be settled in full. If the participant made payment and failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organizing Committee reserves the right to cancel, alter, or change the program 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.

HALF-DAY SEMINAR: "INCLINOMETER MEASUREMENTS AND ERRORS" & "GROUND ANCHORS – FROM DESIGN TO CONSTRUCTION"

By
Dr. Ganeshan

09th August 2014 (Saturday)

9.00 am – 1.00 pm

Tan Sri Prof. Chin Fung Kee, Auditorium, 3rd Floor
Wisma IEM, Petaling Jaya

REGISTRATION FEES

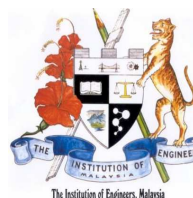
Grade	Normal Fee	Online Fee
IEM Student Member	RM 70.00	RM 40.00
IEM Graduate Member	RM 110.00	RM 80.00
IEM Corporate Member	RM 200.00	RM 150.00
Non IEM Member	RM 350.00	RM 250.00

Closing Date: 30th July 2014

BEM Approved CPD/PDP Hours: 3.5

Ref. No.: IEM14/HQ/247/S

Important Note: IEM members
are required to produce their
membership cards for CPD
scanning at the start and end
of the seminar.



Organised by:
Tunnelling & Underground Space Technical Division (TUSTD) of
The Institution of Engineers, Malaysia (IEM)

SYNOPSIS

Part 1: Inclinometer Measurements and Errors

This presentation examines the errors associated with inclinometer measurements. In recent projects, it was found that while most of the displacement trends indicated expected behaviour in tandem with site activities, there were also instances in which measured displacements did not correspond to nearby activities at site. To understand the shortcomings in the performance of the inclinometers, a detailed investigation was carried and some of the findings are presented. The working principle of inclinometer probe and inclinometer casing is described in detail with illustrations enabling one to understand measurement, data reduction, errors and error correction procedures. Methods of identifying possible causes of errors are presented and actions required to minimize these errors are discussed.

Part 2: “Ground Anchors – from Design to Construction”

Ground anchors have been widely used for temporary support system. Permanent anchors require corrosion protection. In this presentation design concepts, code requirements, construction and testing will be discussed.

CPD CONFIRMATION

Name: Membership No:

Signature:

PROGRAMME

08.30am - 09.00am	Registration
09.00am - 10.30am	Part 1 : Inclinometer Measurement and Errors
10.30am - 11.00am	Tea Break
11.00am - 12.30pm	Part 2: “Ground Anchors – from Design to Construction”
12.30pm - 01.00pm	Q & A
01.00pm	Lunch

SPEAKER

Dr. Ganeshan (AECOM Singapore Pte. Ltd)

Dr. Ganeshan has more than 35 years of experience in all aspects of geotechnical engineering works involving over 100 projects in various parts of Asia. Most of these projects are design and build projects. His involvement in various projects include deep excavations for mass transit structures and basements of various buildings, tunneling and microtunnelling, deep foundations, ground improvement including grouting, ground anchors and instrumentation for excavations, tunneling, test piles and structures. He has extensive experience in the use of finite element and other numerical programs in the analysis and design of geotechnical structures. He is a member of Institution of Engineers Singapore, geotechnical Society of Singapore, Tunnelling and Underground Construction Society of Singapore and life member of South East Asian geotechnical Society. Currently he is leading the Tunnel design team for the Deep Tunnel sewerage System Phase 2 which involves 30 km of Deep Tunnel and 70 km of Link Sewers varying in size between 1.5 m and 6 m diameter.