



The Institution of Engineers, Malaysia

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Evening Talk on Deep Excavation Works in Kuala Lumpur Karsts – Some Considerations (in conjunction with IEM Engineering Week EW 2016)

Organised by the Geotechnical Engineering Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Ref No: IEM16/HQ/339/T

Date/Day : **19 August 2016 (Friday)**

Time : **5.30 pm – 7.30 pm** (Refreshment will be served at 4.30pm, 2nd Floor, Wisma IEM)

Venue : **Tan Sri Ir. Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, PJ**

Speaker : **Ir. Dr Ooi Lean Hock**

SYNOPSIS

In Kuala Lumpur Malaysia, many prestigious structures are founded in Kuala Lumpur Limestone. The Kuala Lumpur limestone is generally classified as extreme tropical karst. The karst features reported include but are not limited to the highly variable bedrock profile, and intricate three dimensional network of solution channels littered with cavities, vertical cliffs and overhangs. The challenges of civil engineering works in limestone have been acknowledged by many designers and contractors and it was given a special session in the 8th South East Asian Geotechnical Conference (SEAGC 1985) in Kuala Lumpur. In spite of the complexities related to karsts, Malaysians have successfully completed the large diameter SMART tunnel and many deep excavations and foundations in such challenging ground conditions. This paper presents the challenges and risks related to deep excavation works in karsts and some of the possible measures to minimise these risks.

PROFILE OF SPEAKER



Ir. Dr Ooi Lean Hock graduated with PhD from the University of Sydney, Australia. In the past he has worked as a geotechnical consultant and as a specialist contractor. He is currently the Lead Geotechnical Engineer in the Design & Technical Department of MMC GAMUDA KVMRT (T) SON BHD for the second line of Klang Valley Mass Rapid Transit from Sg Buloh - Serdang - Putrajaya (SSP) Line. He has extensive experience in ground treatment works, more recently in deep excavation and tunneling works. He also has a keen interest in geotechnical instrumentation and testing. He has been involved in many interesting infrastructural projects such as railways, runways, highways, tunnels and hydropower both locally and abroad.

Ir. Yee Thien Seng

Chairman, Geotechnical Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE

Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.

Non members may also attend the talk but will need to pay a registration fee of **RM 50** and an administrative fee of **RM 15**. GST is inclusive.

For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International / MoU.

Limited seats are available on a "first come first served" basis (maximum 100 participants).

IEM members are required to produce membership cards for confirmation of attendance (CPD purpose). Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

IEM members who fail to produce their membership cards will be charged a fee of RM 25. GST is inclusive.

ADMINISTRATIVE FEE

Kindly be informed that an administrative fee of **RM 15** is payable for talks organized by IEM. GST is inclusive.

The fee would be used to cover overhead costs, building maintenance expenses as well as to contribute to Wisma IEM Building Fund.

All contributions will be deeply appreciated by IEM. Student Members are however exempted.

CPD/PDP HOURS CONFIRMATION

Name:

Membership No/Grade:

Signature: