



Talk on Geotechnical Considerations for Underground Works of KVMRT Sungai Buloh – Kajang Line

Jointly Organised by the Geotechnical Engineering Technical Division, IEM &
 Malaysian Geotechnical Society (MGS)

BEM Approved CPD/PDP Hours: 1.0 Ref No: IEM15/HQ/228/T

Date/Day : 30 June 2015 (Tuesday)

Time : 5.00 pm – 6.00 pm

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

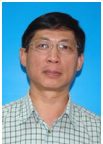
Speaker : Ir. Dr Ooi Lean Hock

SYNOPSIS

The KVMRT Sungai Buloh – Kajang Line is approximately 51km long with 41.7km of elevated and 9.3km of underground guideway. The mass rapid line is one of the major infrastructural projects in Malaysia. It has 31 elevated stations and 7 underground stations. The underground section traverses a dense, built environment, through parts of the Golden Triangle and the proposed KL International Financial District in Kuala Lumpur. The underground works of tunnelling and station excavation will be carried out in Kenny Hill Formation and the complex karst of Kuala Lumpur Limestone Formation. The tunnelling works will be carried out using Tunnel Boring Machines through the Central Business District to minimise social, environmental as well tunnelling related impacts to the built environment. The objective of this project is to deliver a mass rapid transit network that helps mitigate traffic congestion and provides connectivity by integration with existing networks of LRT, monorail & KTM Komuter.

This evening talk will present some of the geotechnical considerations for the underground works. Some aspects considered included design of soil investigation, choice of retention system and the impact of geology on underground related works.

PROFILE OF SPEAKER



Ir. Dr Ooi Lean Hock graduated with PhD in geotechnical engineering from the University of Sydney, Australia. He is currently seconded from Gamuda Berhad to KVMRT (T) Sdn Bhd as the Head of Geotechnics for the Klang Valley Mass Rapid Transit from Sg Buloh to Kajang Line. He has been involved in many interesting and diverse infrastructural projects such as railways, runways, highways, tunnels and hydropower. He has published several technical papers in Geotechnical Conferences and Seminars. He has in the past served in various capacities in the Institution of Engineers, Malaysia Council and Geotechnical Technical Division and the Malaysian Site Investigators Association.

Ir. Yee Thien Seng
 Chairman
 Geotechnical Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE

1. Preferential admission to talk shall be accorded to IEM/MGS members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
2. **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.
3. 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.
4. Limited seats are available on a "first come first served" basis (maximum 100 participants).
5. IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
6. Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
7. **IEM members who fail to produce their membership cards will be charged a fee of RM 25. GST is inclusive.**

ADMINISTRATIVE FEE

1. Kindly be informed that an administrative fee of **RM 15** is payable for talks organized by IEM.
2. The fee would be used to cover overhead costs, building maintenance expenses as well as to contribute to Wisma IEM Building Fund.
3. All contributions will be deeply appreciated by IEM.
4. Student Members are however exempted.

CPD/PDP HOURS CONFIRMATION

Name:

Membership No/Grade:

Signature: