



# The Institution of Engineers, Malaysia

Bangunan Injenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan  
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

## TALK ON:

### THE TUNNEL BORING AND OTHER UNDERGROUND WORKS OF THE KVMRT SBK LINE”

Organized by the Tunnelling & Underground Space Technical Division, IEM

BEM Approved CPD/PDP Ref : IEM14/HQ/376/T with 2 CPD hours

Date : 29 October 2014 (Wednesday)  
Time : 5.30pm – 7.30pm am (Refreshment will be served at 5.00pm)  
Venue : C&S Lecture Room, 2nd Floor, Wisma IEM  
Speaker : Mr. Gusztav Klados

#### SYNOPSIS

The KVMRT is one of the major on-going infrastructure projects in Malaysia. The Sungai Buloh-Kajang (SBK) Line runs from the north-west town of Sungai Buloh to the south-east town of Kajang with a total length of about 51km, of which a section of about 9.3 km within the Kuala Lumpur city centre is underground. When completed, the SBK line will have 7 underground stations and 24 elevated stations. The underground tunnel is being constructed using tunnel boring machines (TBM) while the underground stations are constructed using cut-and-cover method with excavation depths of up to 40m below ground level.

This evening talk will provide IEM members with latest update of the KVMRT project with regards to the progress of the various components of the underground section. The talk will also highlight some of the key design features and the challenges encountered during the construction of tunnels and underground stations.

#### BIODATA OF SPEAKER



Mr. Gusztav Klados is a Hungarian structural engineer, known as one of the leading tunnel builders, having worked around the world on several projects. Klados worked as Lead Engineer or Project Supervisor on several big projects including the SMART Tunnel in Malaysia, the Channel Tunnel, the Metro Systems in Delhi, Athens, Calcutta and Budapest. Klados also worked as tunnel manager in South Africa, where he built a 19km long section, the Delivery Tunnel North of the Lesotho Highlands Water Project, later he worked as the project manager of tunnel boring and segment manufacturing for the

Metro Lines 2 & 3 of Athens. From 2002-2007 Klados was the senior project manager of the SMART Tunnel project in the Malaysian Capital, Kuala Lumpur. Klados is now the project manager of the KVMRT Sungai Buloh- Kajang Line Underground and Tunnelling Works.

He graduated from the Mátyás Hunyadi High School in Pestőrinc in 1966. He holds two engineering degrees from the famous Budapest Technical University earned in 1972 and 1976, later he also gained another external trade related degree, unrelated to engineering

**Ir. Andrew Yeow Pow Kwei**  
Chairman  
Tunnelling and Underground Space 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 be charged a registration fee of **RM50** and an administrative fee of **RM10**. For affiliate members, there will be no registration fee. However, they are required to produce their membership card as proof of membership. For the list of affiliates, please refer [www.myiem.org.my/content/memorandum\\_of\\_understanding-469.aspx](http://www.myiem.org.my/content/memorandum_of_understanding-469.aspx).
- Limited seats are available on a "first come first served" basis (maximum 110 participants).
- IEM members are required to produce your 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 RM20.00.**

#### FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants **RM10** as administrative fee for talks organized by IEM.
- The fee would be used to cover overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted. Your understanding is greatly appreciated.

#### CPD HOURS CONFIRMATION

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

Membership No: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_