

TUNNELLING & UNDERGROUND SPACE TECHNICAL DIVISION (TUSTD)

PRE – AGM TALK ON “IN PURSUIT OF THE AUTONOMOUS TBM”

&

20TH TUSTD ANNUAL GENERAL MEETING (AGM)

Organized by the Tunneling & Underground Space Technical Division, IEM (TUSTD)

BEM Approved CPD/PDP: 4.0 Hours

Ref.: IEM20/HQ/112/T &

Ref.: IEM20/HQ/113/AGM

STANDARD OPERATION PROCEDURES (SOP)

Members attending PRE-AGM Talk, **MUST ATTEND**
the Annual General Meeting.

This is to comply with MKN’s SOP of limited
movement “IN” and “OUT” of an event.

Pre - Registration is **REQUIRED** via **ONLINE**.

NO Walk-In **ALLOWED**.

Further Details

- I. Hand sanitiser will be available at the entrance of IEM Building. Members must sanitise their hands every time they enter IEM Building.
- II. Temperature Screening will be done at the registration counter at Ground Floor. Members who have a body temperature of 37.5 ° Celsius or show any symptoms will not be allowed to enter the Lecture Hall.
- III. Members are highly encouraged to wear face masks at their own costs throughout the duration in the IEM Building.
- IV. Scanning of CPD will be done at the registration counter at Ground Floor. Non-member to produce their MyKAD for scanning and recording purpose.
- V. Social distancing must be maintained at all times. All Members must maintain a distance of 1 meter from each other.
- VI. All Members to be seated at least 1m apart from each other.
- VII. Members strictly advised to follow the entry and exit guides.

PRE - AGM TALK ON “ IN PURSUIT OF THE AUTONOMOUS TBM ”

SPEAKER ;

Mr. NG HAU WEI

Date : 05TH SEPTEMBER 2020 (Saturday)
Venue : Malakoff Auditorium
Ground Floor, Wisma IEM
Petaling Jaya, Selangor
Time : 9.00 a.m. – 11.00 a.m.

SYNOPSIS

Kuala Lumpur's second MRT network connecting the northern suburb of Sungai Buloh to the southern administrative capital of Putrajaya is a massive undertaking.

The central underground portion of the MRT alignment cuts right through the heart of Kuala Lumpur where the famed Petronas Twin Towers stand and traverses through an assortment of complex geologies including the notoriously challenging and sinkhole-prone Kuala Lumpur karstic limestone formation. Twelve, 2-storey high, tunnel boring machines will be constructing the tunnels at any one time.

Hot on the heels of successfully completing the first underground MRT of Kuala Lumpur, Ng Hau Wei, as Head of the Tunnelling unit of MMC-Gamuda, the contractor for the whole of the underground works, and the co-inventor of the Variable Density TBM, unfolds the challenges that await him on KL's second MRT line.

He has a deep seated fear of over relying on the competency and consistency of the skills of human TBM operators for the safe delivery of the tunnelling works on the project. Betting instead on AI and automation, he sheds light on how he revolutionises tunnelling practices to help alleviate the burden of the task at hand, putting his team at the forefront of innovation in the industry, and his vision for the future.

ANNOUNCEMENT TO NOTE FEES

(Effective 1st October 2017)

Members

Registration Fee : No
Charge
Administrative Fee : Online RM15

Non-Members

Registration Fee : RM50
Administrative Fee : RM20

- Limited seats are available on a "first come first serve basis PRE-REGISTERED ONLINE"
- **(Maximum 65 PARTICIPANTS).**
- To secure your seat, kindly register online at www.myiem.org.my.
- **NO WALK IN ALLOWED.**

PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data

CPD Hours Validation:

Name:

Membership No.:

Signature:

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion". For intending participants who choose to 'walk in without prior registration', IEM SHALL NOT be responsible for any direct or consequential losses".

SPEAKER



Mr. Ng Hau Wei has 20 years of Civil Contractor experience in large infrastructure project and over 15 years of 60 kilometres tunnel construction experience covering shield and unshielded mechanized tunnelling methods.

His work includes mega construction of the dual-purpose SMART Tunnel in Kuala Lumpur, the interstate Electrified Double Track Project of Peninsular Malaysia and KVMRT, the country's 1st metro rail and at present time pushing to complete its 2nd line.

His experience covers dam, rail and road tunnel construction in various geologies, including extreme karst limestone.

Ng Hau Wei is currently the Deputy Project Director of KVMRT underground project and the lead in driving the Tunnelling Research Programme. His most notable achievements are joint development of the world's first Variable Density Tunnel Boring Machine (VD TBM) and the making of the first Autonomous Tunnel Boring Machine (A-TBM).

Ir. KHOO CHEE MIN

Chairman

Tunneling & Underground Space Technical Division (TUSTD)

Session 2019 / 2020

**To all Members of the
Tunnelling & Underground Space Technical Division (TUSTD)**

20th 
AGM
ANNUAL GENERAL MEETING

Notice is hereby given that the **20th Annual General Meeting** of the Tunnelling & Underground Space Technical Division, IEM will be held on **05TH SEPTEMBER 2020 (Saturday)** at **11.00 A.M.** at the **MALAKOFF AUDITORIUM, Ground Floor, Wisma IEM, Petaling Jaya**

AGENDA

1. Opening Address by the Chairman of Session 2019/2020.
2. Confirmation of Minutes of the 19th Annual General Meeting held on 27 April 2019.
3. Matters Arising.
4. To receive and adopt the Secretary's Report for the Session 2019/2020.
5. To receive and adopt the Financial Statement for the Session ending 31 December 2019.
6. Election of the New Office Bearers for the Session 2020/2021.
7. Address by the Chairman of Session 2020 / 2021.
8. Any Other Business (AOB).

Your presence will contribute to the success of this meeting.

Thank you.

Ir. Khoo Chee Min
Chairman

Tunnelling & Underground Space Technical Division
Session 2019 / 2020