

REGISTRATION FORM

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Website: www.iemasb.com or www.myiem.org.my



*****IMPORTANT NOTICE***** All registration fees must be FULLY paid before commencement of the course. IEM Academy Sdn Bhd reserves the right to refuse entry for participant(s) who have not paid their registration fees to attend the course. THIS REQUIREMENT WILL BE STRICTLY ENFORCED.

No.	Name (s) in CAPITALS	IEM No.	P.Eng No.	Fee (RM)
1				
2				
3				
Total				

PAYMENT METHODS

1. Banker's cheque made payable to "IEM ACADEMY SDN BHD"
2. Bank Transfer (Please forward soft copy of payment advice)

Account Name : IEM ACADEMY SDN BHD
Account Number : 21403500139397
Bank Name : RHB Bank Berhad
Bank Address : No. 5, Jalan 52/18, PJ New Town, 46200 Petaling Jaya.
Swift Code : RHBBMYKL

Course Fee is GST
Inclusive

Name of Organization:

Address:.....

Mobile No : Tel (O) :

Fax No: E-mail :

Contact Person : Designation :

(Please print clearly for confirmation of registration purposes)

**1/We understand that the fee is not refundable if I/we withdraw after my/our registration is accepted but substitution of participants will be allowed. If I/we fail to attend the course, the fee paid will not be refunded.

Signature :

Date :

One Day Short Course on TBM Technology by Herrenknecht

Jointly Organized by:
IEM WTC2020 Organizing Committee
Tunnelling & Underground Space Technical Division (TUSTD)

Managed by:
IEM Academy Sdn Bhd & IEM Secretariat

Date : 06th October 2017

**Venue : Auditorium Tan Sri Prof. Chin Fung Kee,
Wisma IEM, Petaling Jaya, Selangor.**

Time : 8.30 a.m. – 5.45 p.m.

COURSE FEES (GST INCLUSIVE)

IEM Members	RM318.00
Non-IEM Members	RM636.00

BEM APPROVED CPD/PDP: IEM17/HQ/350/C, 6CPD hours

(Closing Date: 30th September 2017)

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

Course Schedule & Outline

08:30 – 09:00	–	Scan-in Registration
09:00 – 09:15	–	Welcome and Opening Address
09:15 – 10:15	–	Selection of TBM Type and General Design: This session will cover the geotechnical basics and selection criteria for TBM types. This includes the geotechnical parameters, testing for soil and rock. Rock hardness and abrasiveness and geomechanics will be covered. For soil, the relevant parameters such as permeability, cohesion and internal friction are explained. The lab and site testing procedures will be shown. Subsequently the key considerations for TBM type selection and key design calculations are introduced.
10:15 – 10:45	–	Networking and Coffee Break
10:45 – 11:30	–	EPB TBMs – Design and Operation: This session will introduce EPB TBMs as well as their operation. The key components are explained as well as how to operate them. With regards to special geological conditions, the key points to consider for practical TBM operation are explained. Design approaches for adoption of EPB technology to certain geological features are introduced.
11:30 – 12:15	–	Mixshield TBMs – Design and Operation: The designs of Mixshield TBMs as well as the related jobsite components are introduced. Furthermore, the operational challenges and solutions are explained. Especially the control of excavated volume and practical settlement control will be highlighted in the session. Experiences and examples from Malaysia and Singapore will be given.
12:15 – 14:30	–	Networking and Lunch (Friday Prayers)
14:30 – 15:15	–	TBM Safety Features: The Session highlights the key safety features of TBMs. This includes design measures, Certification and testing procedures, as well as operative measures to prevent accidents. The session will highlight practical examples from different jobsites.
15:15 – 16:00	–	TBM in Difficult Ground – Machine Design and Ground Treatment: The Presentation will highlight special TBM designs for difficult ground conditions. Such designs are convertible TBMs and Variable Density TBMs with very successful history in Kuala Lumpur. Furthermore, methods of ground treatment and exploration are introduced.
16:00 – 16:15	–	Networking and Coffee Break
16:15 – 17:00	–	TBM Tunnelling in Rock – How to Overcome Challenges: The session introduces different TBM types in rock tunnelling. Introduction to technology and operational measures to master difficult rock conditions; such as water inflow, squeezing or blocky rock. The related TBM technology and operational management to deal with such conditions are explained in detail.
17:00 – 17:45	–	Questions and Answers
17.45		Closure. Scan-out and Collection of Certificate of Attendance

About the Presenter



Mr. Ruben Duhme

Mr. Ruben Duhme

Mr. Ruben Duhme is General Manager Engineering R&D in Herrenknecht Asia since 2008. He obtained his Master Degree in Mechanical Engineering from Technical University Munich in 2000. His duties cover Germany, Singapore and China

His main work fields involve:

- All Offer Stage design for TBM in Asia
- TBM Technology Development
- Analysis and Solutions for Machine Problems and Component Failures
- Productivity Increases in TBM Tunnelling



Mr. Dirk Schrader

Mr. Dirk Schrader

Dirk Schrader was born in 1970 and graduated from the Technical University in Berlin and hold a degree for Civil Engineering. He started 1998 as a Civil Engineer / Project Manager for Keller Grundbau in Berlin (Germany). In 2004, he was appointed as the Head of Underground Technologies in South East Asia for Keller Grundbau Asia (Singapore), with the responsibility of consultation, design, tender and projects (Smart KL, CCL Singapore). In 2006, he was appointed as the Senior Project Manager for settlement control using special drilling and grouting technologies developed by Keller Grundbau, City Tunnel

Leipzig (9m Herrenknecht Mixshield). In 2008, he joined Herrenknecht Asia Headquarter as the Technical Manager, in 2009-he setup the Country Office Singapore (Sales, Operation). In 2012, he was appointed as a Managing Director for the business development, sales of 23 TBM in Qatar (Metro, Sewer, Storm water) and the setup and management of a service subsidiary in Qatar. Since 2017, he is in charge of the Asia Pacific Region South (Hong Kong, Malaysia, Singapore, Indonesia, Australia and New Zealand).

Dirk was involved in the technical & commercial sales of more than 55 Herrenknecht TBM (Mix, EPB, Double Shield) in Asia Pacific and Middle East.

TERMS & CONDITIONS

- ✓ Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- ✓ **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 failed to attend the course, the fee paid is non-refundable. Registration fee includes lecture notes, refreshment and lunches.
- ✓ The Organising 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.