

Half Day Talk on “Waterproofing Solutions for Substructure Works – The Way Forward”

(Co-organised with MAPEI Malaysia Sdn. Bhd.)

Date : Saturday, 20 January 2024
Time : 9.00 a.m. – 1.00 p.m.
Venue : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru, Johor.
Speaker : (1) Mr. Hanson Foong (2) Ms. Swee Fun Chan

Synopsis

Below-grade waterproofing provides challenges which are quite different from, and often more demanding than, super-structure works. Site conditions are typically less than ideal, accessibility may be limited, the stresses on the waterproofing system are more varied, and repairs – if necessary – can be more disruptive and costly.

This presentation looks at common defects and problems, the different levels of dryness required for basement structures according to their functions, and selection criteria for waterproofing systems. It aims to help Designers understand the considerations which go into selection of best-fit solutions. What are the considerations and pros and cons of different waterproofing technologies? How do we know if it is applied properly?

At the same time, the talk will introduce an original and unusual approach to underground waterproofing, which has been widely adopted by many tunnels, infrastructure, commercial and even residential projects worldwide. Project case studies and experiences will also be shared to better illustrate the application of each material.

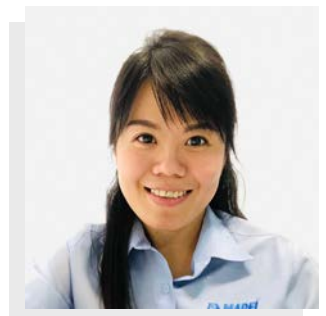
Time	Tentative Programme
8.30 a.m. – 9.00 a.m.	Registration
9.00 a.m. – 9.10 a.m.	Welcome Speech by IEM (SB) Organising Committee
9.10 a.m. – 10.30 a.m.	Session 1
10.30 a.m. – 10.45 a.m.	Coffee Break
10.45 a.m. – 12.30 p.m.	Session 2
12.30 p.m. – 1.00 p.m.	- Case study and Discussion - Question & Answer Session
1.00 p.m.	Closing & End of Talk

About the Speaker:



Mr. Hanson Foong graduated from University Malaya with an Honours degree in Electrical Engineering in 2006. He started his profession as a R&D engineer in OYL Technology Bhd. in 2006. He first gained his experience in building refurbishment work when working at Cofreth (M) Sdn. Bhd. and later involve in sales & marketing functions in Bluescope Lysaght (M) Sdn. Bhd. Hanson Foong joined MAPEI Malaysia in 2011 as product engineer for Concrete Repair, Protection and Structural Strengthening, and progress to his current role of Technical Service Manager. During the years, he has been involved in various rehabilitation and strengthening works for buildings and infrastructures projects such as Parliament Malaysia, Batu Kawa Bridge at Kuching, Miri Science Schools, General Hospital KL, Dewan Bahasa and Pustaka and National Mosque etc. Since 2017, he has been actively involved in providing solutions for IBS contractors and manufacturers. To date, he has been involved in projects from Gamuda IBS, IJM IBS, MGB Sany, Aurum Precast in the area of repair, grouting and anchoring, waterproofing and tiles adhesion etc.

Ms. Chan Swee Fun graduated with an Honours Degree in Civil Engineering from Universiti Sains Malaysia in 2009. She started her professional career as a Civil & Structural Engineer in JV Nava C&S Engineering Consultants Sdn. Bhd. followed by Ranhill Bersekutu Sdn. Bhd. From 2012 she worked in Hilti Malaysia Sdn. Bhd. as a Design Engineer for chemical anchoring systems and was promoted to Product Manager for measuring tools and firestop products. In 2016, she was appointed the Specification Manager for a waterproofing manufacturer focussing on waterproofing systems for underground and basement works. Notable projects she worked on include the KL 118 & TRX Exchange projects. Swee Fun joined MAPEI Malaysia in 2018 and she managed the company’s range of products for Concrete Repair, Protection and Structural Strengthening from year 2018 until 2023. She works closely with consultants, project owners, specialist applicators and contractors to help identify best-fit solutions and achieve successful results on site. Started from this year, she is handling target market of IBS systems, below grade waterproofing & water services.



Participant Fees:

Grade	Online
IEM Members	RM 80.00
IEM Graduate Members (Less than 30 years old)	RM 65.00
IEM Student Members	RM 25.00
Non-IEM Student Members	RM 50.00
Non-IEM Member	RM 150.00

Closing Date: 17 January 2024

Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **17 January 2024** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***. Alternatively, you could bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)



REPLY SLIP

To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch) **Fax: 07 – 3363406**

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Saturday, 20 January 2024, 9.00 a.m. – 1.00 p.m.
at IEM (Southern Branch) Training Centre.

I wish to attend the above talk. I enclosed herewith a cheque no. for the amount of RM.....as payment for the participant fee.

Name of Member: Membership No: I/C No:
Address: Tel(O):(Fax).....
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..... E-mail:

Company’s Name:

Signature: Date:

Note : Kindly **email to iemsouthern@gmail.com the Reply Slip together with the payment slip** for confirmation.
: Attendance by representative will not be issued with the Certificate of Attendance.

PERSONAL DATA PROTECTION ACT

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