



Half-Day Seminar

Waterproofing Solutions for Substructure Works - The Way Forward

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



7 Nov 2024 (Thurs)



8.30am – 1.00pm



**IEM Penang Secretariat, 1-04-02, eGate,
Lebuh Tunku Kudin 2, 11700 Penang**

BEM CPD Hours: 4
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About the Speakers



Speaker:

Mr. Hanson Foong

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 Sdn 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 and tile adhesion etc.



Speaker:

Ms. Chan Swee Fun

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 tool and firestop products.

In 2016, she was appointed the Specification Manager for a 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 and water services.

Program

Time	Details
8.30am - 9.00am	Registration & Breakfast
9.00am -10.30am	Session 1
10.30am -10.45am	Coffee Break
10.45am - 12.30pm	Session 2
12.30pm - 1.00pm	Case study and Q&A

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