

Organised By:



**THE INSTITUTION OF ENGINEERS  
MALAYSIA**  
Malacca Branch  
NO. 4A (1<sup>st</sup> FLOOR), JALAN PNDD1,  
PUSAT NIAGA DURIAN DAUN, 75400 MELAKA.  
E-mail : <iemmelaka@gmail.com>

Collaboration With:



**TECHNOLOGICAL  
ASSOCIATION MALAYSIA,  
MALACCA BRANCH**  
PPM-001-10-14021951-000002

Sponsored By:

Geoquest Solutions Malaysia Sdn. Bhd

## **IEM Melaka: Pre-AGM Talk on “Geotechnical Engineering Solutions: Design, Components, and Case Studies”**

Date : 7<sup>th</sup> March 2026 (Saturday) Venue : Tamara Hotel, Melaka  
Time : 8:00 am to 11:00 am  
Fee : RM30.00 (For Member) & RM70.00 (For Non-Member)

IEM Approved CPD Hours: 2.5  
Ref. No: IEM26/MEL/062/T  
CIDB Approved CCD Points: 5  
Ref. No: CIDB/CMS/2026/56451

### **ANNOUNCEMENT NOTE**

1. Non-member may also attend the Seminar and will be charged a registration fee of RM30 and an administrative/preparation fee of RM40
2. Telephone reservation will NOT be entertained
3. Limited seats are available on a “first come first served” basis
4. TAM/IEM member are required to produce your membership cards for confirmation of attendance (CPD/Membership Rate purpose)
5. Latecomer will not be allowed to enter if the venue allocation is full nor be entitled to CPD

**TAM/IEM/MBA members who fail to produce their membership cards will be charged as non-member rate**

### **SYNOPSIS:**

This talk on Geotechnical Engineering Solutions: Design, Components, and Case Studies provides a practical overview of modern geotechnical systems. It begins with RE Walls, covering design concepts, geostrap components, construction methodology, and case studies. RS Slopes will be briefly introduced with their components and construction practices. The session continues with Terralink, highlighting Terraplug components, methodology, and case studies, followed by DrainTube, focusing on its components, performance, and applications.

Further topics include Rockfall Nettings & Barriers, emphasizing design concepts, components, and case studies, and TechRevetment, which will cover its components, construction methodology, and applied examples. Together, these topics offer participants a clear understanding of geotechnical solutions, combining design principles, construction methods, and field-tested case studies.

### **Itinerary of the Seminar (Tentative)**

08:00 am	-	Registration with Breakfast
08:25 am	-	Welcome Speech by IEM Melaka Chairlady, Ir. Lim Su Hian
08:30 am	-	Design Concept, Components, Methodology, and Case Studies: - RE Wall - RS Slope - Terralink - DrainTube - Rockfall Nettings & Barrier - TechRevetment
10:30 am	-	Q&A Session & Photo session
11:00 am	-	End of Event

### **Technical Presentation By:**

**Name:** Ir. Leow Yoong Kha

**Position:** Business Development Manager, Geoquest Solutions Malaysia Sdn. Bhd.

**Qualification:** Holds a Bachelor of Civil Engineering (Hons), graduated in 2010 from Queensland University of Technology.

**Working Experience:** With diverse background and over 15 years’ experience as a consultant, contractor, and manufacturer in the field of geotechnical engineering projects for local and international clients. Leow has acquired an in-depth comprehension of Geoquest solutions, spanning various applications such as retaining walls, slope mitigation, hydraulic works, pavement reinforcement, and more.

**Name:** Ts. Amir Akmal Syafiq bin Amir Zaki

**Position:** Assistant Business Development Manager, Geoquest Solutions Malaysia Sdn. Bhd.

**Qualification:** Holds a Bachelor of Civil Engineering (Hons), graduated in 2011 from Kuala Lumpur Infrastructure University College (KLIUC).

**Working Experience:** Has over a decade of experience in geotechnical engineering and technical solutions, progressing from engineering roles at Asian Geos and Maccaferri Malaysia to senior, director, and managerial positions, and now serves as Assistant Business Development Manager at Geoquest Solutions Malaysia.

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**Name:** Kumaran Subramaniam

**Position:** Business Development Engineer, Geoquest Solutions Malaysia Sdn. Bhd.

**Qualification:** Holds a Bachelor of Civil Engineering (Hons), graduated in 2022 from Monash University.

**Working Experience:** A geotechnical engineer with hands-on experience in foundation design, slope stability, ground treatment, and subsurface investigations across major infrastructure and property developments in Malaysia. He has worked on projects such as the Bayan Lepas LRT, East Coast Rail Line, Gemas Double Track, and multiple residential and commercial developments, providing design, independent reviews, and construction monitoring, with expertise spanning reinforced soil walls, rock slope analysis, and tender assistance.

Your participation is most welcome. Please kindly confirm your participation by clicking the registration link: <https://melaka.iem.org.my/upcoming-event.php?id=394> no later than Friday, **27 February 2026**, to facilitate arrangements.

**[First Come First Serve Basis as Participant is limited to 40 Participants]**

Thank you.

**Ir. Lim Su Hian (Branch Chairman, IEM Melaka Branch)**

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I/we wish to enroll the following person in the talk on **7<sup>th</sup> March 2026**. To confirm your participation, please register by clicking the link: <https://melaka.iem.org.my/upcoming-event.php?id=394> no later than Friday, 27 February 2026.

Payment be made to The Institution of Engineers Malaysia Melaka (Affin Bank Berhad: A/C No.: 10-017-000882-9).