

HALF DAY SEMINAR ON SUSTAINABLE REINFORCED SOIL STRUCTURE AND ROCKFALL PROTECTION

SPEAKERS:



Ir. Saiffuddin bin Sheafi



Mr. Muhammad Asyraf Rosli

**14 AUGUST 2025, THURSDAY
8:30 AM - 1:00 PM
MALAKOFF AUDITORIUM, WISMA
IEM , PETALING JAYA**

Registration fee (Subject to 8% SST)

GRADE	FEE (VIA IEM WEBSITE)	FEE / HRDC (THROUGH EMAIL)
Student	RM70	RM90
IEM Member / HRDC for IEM Member	RM150	RM 150 / RM175
Non-IEM Member / HRDC for Non-IEM Member	RM300	RM300 / RM325

**BEM Approved CPD: 4
Ref. No.: IEM25/HQ/323/S**

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SYNOPSIS

1. Is Sustainable Reinforced Soil Structure Costly?

This session breaks down the perception that sustainable systems like Paramesh are expensive. It covers what Paramesh is, backed by full-scale testing and case studies. We'll also look at durability, design codes, and specification standards—answering why this solution is not just viable, but practical for long-term use.

2. Rockfall – Are We Just Gambling?

This topic questions the idea that rockfall protection is unpredictable. Using real case studies, we'll review available systems and their performance. We'll also touch on how IoT and monitoring tools can reduce uncertainty and support proactive design.

PROGRAMME

Time	Description	Speaker
8:30am – 8:50am	Registration & Light Refreshment	
8:50am – 9:00am	Welcoming Address	
9:00am – 10:00am	Session 1: Introduction to Sustainable Reinforced Soil Structure	Ir. Saiffuddin bin Sheafi
10:00am - 10:15am	Morning Tea Break	
10:15am – 11:15am	Session 2: Is Sustainable Reinforced Soil Structure Costly?	Ir. Saiffuddin bin Sheafi
11:15am – 12:30pm	Session 3: Rockfall – Are We Just Gambling?	Mr. Muhammad Asyraf Rosli
12:30pm - 1:15pm	Q&A Session	
1:15pm	Lunch	

SPEAKERS BIODATA

Ir. Saiffuddin bin Sheafi



Ir. Saiffuddin bin Sheafi, graduated from University Teknologi Malaysia in 2006 with a Bachelor of Civil Engineering. He is an engineering professional with over 18 years of experience in consultancy, contracting, and manufacturing within the hydropower, mining, and water resources sectors. Currently serving as the Technical Manager at Maccaferri Malaysia, he has played a pivotal role in delivering engineering solutions for both local and international projects, often in highly challenging topographical and climatic conditions.

Throughout his career, Ir. Saiffuddin has been actively involved in major infrastructure and resource projects, specializing in the design, construction, and management of tailings and water dams, tunnels and underground structures, mine waste dumps, rock slope stability, dam safety, flood mitigation, and risk assessments. His deep technical knowledge, coupled with a strategic approach to engineering solutions, ensures sustainable and innovative project outcomes. Committed to excellence in geotechnical and structural engineering, he continues to contribute to the advancement of the industry through his leadership and expertise.

Mr. Muhammad Asyraf Rosli

Muhammad Asyraf Rosli is a geotechnical engineer with 9 years of experience in foundation design, ground engineering, and site investigation. He holds a degree of Bachelor of Engineering in Civil engineering from The University of Newcastle, Australia. After nearly a decade at Arup Kuala Lumpur—where he led and supported major infrastructure and development projects such as the Ho Chi Minh City Metro, MRT Lines 2 and 3, and deep excavations for commercial complexes and data center developments—he now works as a Technical Engineer at Maccaferri.

In his current role at Maccaferri Malaysia, Asyraf specializes in natural hazard mitigation, focusing on rockfall barrier and debris flow barrier design. He is currently involved in the design of these protective systems for the Kenyir Dam area, a site known for its complex terrain and geohazard risks. He also supports river protection solutions, high reinforced soil slope helping to safeguard infrastructure and communities from erosion and flood threats.

With a strong foundation in both design and site execution, he is known for his technical expertise, problem-solving ability, and commitment to delivering practical and sustainable engineering solutions.



REGISTRATION FORM

No	Name (s)	M'Ship Number	IC No.	Fee (RM)
SUB TOTAL				
ADD SST @8%				
TOTAL PAYABLE				

***Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment. Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of “The Institution of Engineers, Malaysia” and crossed ‘A/C payee only’. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the cancellation term. If I/We fail to attend the seminar, the paid registration fee will not be refunded.**

Name _____ Designation: _____

Adress: _____

Tel No: _____ Email: _____

Signature & Stamp

Date

Kindly email the registration form to sitiaisyah@iem.org.my

IMPORTANT:

Participant / company that APPLY THROUGH HRDC, MUST EMAIL the Registration Form to IEM Secretariat and DO NOT register and pay through IEM portal. STRICTLY, secretariat will not entertain shall you wish to CHANGE TO HRDC AFTER PAID THROUGH THE IEM PORTAL.

Your cooperation is highly appreciated.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the event. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

PERSONAL DATA PROTECTION ACT

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