

# HALF DAY SEMINAR ON **REINFORCE AND PROTECT : EASY METHODS FOR STRONGER BUILDINGS**

Organised by :

Civil & Structural Engineering Technical Division, CSETD, IEM



**27th May 2025  
9.00AM to 2.00PM**



**UEM Edgenta Learning Centre  
5A, Jalan 51/217, Off Jalan Templer  
PJS 51 46050 Petaling Jaya.**



*Speaker*

**Ing. Rico Umberto**

## Speakers Profile :

Ing. Rico Umberto graduated with a Master's degree in Civil Engineering from the Politecnico of Milan. After gaining experience in a consulting firm, he joined Mapei in 2018 as a Product Engineer. In this role, he specialized in the design of structural strengthening composite systems (FRP, FRCM, and UHFRCC), seismic retrofitting, and provided consultancy and technical assistance during project execution. He was also involved in product R&D, software development, and professional training for designers and applicators. Currently, Ing. Umberto serves as the APAC Regional Product Manager at Mapei.

BEM APPROVED CPD HOURS: 4

Ref No : IEM25/HQ/157/S



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REGISTRATION TYPE	ONLINE/MANUAL
IEM MEMBER	RM50
NON MEMBER	RM70

TIME	PROGRAMME
08:45AM - 09.30AM	REGISTRATION & BREAKFAST
09.30AM - 09.45AM	1 - Opening by IEM representative 2- Welcome Introduction by MAPEI representative
9.45AM - 10.45AM	Introduction on Structural Strengthening Part 1
10.45AM - 11.00AM	TEA BREAK
11.00AM - 12.00PM	Introduction Structural Strengthening Part 2
12.00PM - 12.45PM	DEMONSTRATION
12.45PM -1.00PM	Q & A & EVALUATION
1.00PM - 2.00PM	LUNCH & PORGRAMME END

## Synopsis

### **Reinforce and Protect: Easy Methods for Stronger Buildings.**

Concrete structures are exposed to various stresses and environmental conditions throughout their lifespans, making reinforcement crucial when existing structures are no longer sufficient to meet changing demands. This seminar will explore advanced concrete protection technologies, including galvanic cathodic protection, and different types of structural strengthening solutions. Attendees will gain valuable insights into how these systems improve the safety and durability of infrastructure facilities, with live demonstrations showcasing product applications on mock-ups. The session will also feature real-world project examples from both local and international contexts, illustrating the successful application of these techniques. Don't miss this opportunity to learn easy and effective methods to safeguard your infrastructure.