

Half-Day Seminar

Reinforce and Protect: Easy Methods for Stronger Buildings

Synopsis

Concrete structures are exposed to various stress 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 simple and effective methods to safeguard your infrastructure.



About the Speaker

Ing. Rico Umberto

Ing. Rico Umberto graduated with a Master's degree in Civil Engineering from 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, restoration for heritage buildings and provided consultancy and technical assistance during project execution.

He was also involved in product R&D, software development, and providing professional training for designers, consultants and applicators. Currently, Ing. Umberto serves as the APAC Regional Product Manager at Mapei for Building Line.



IEM

The Institution of Engineers, Malaysia
(Penang Branch)

This Event is brought to you by:



18 Sept 2026 (Fri)



8.30am – 1.00pm



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Lebuh Tunku Kudin 2
11700 Gelugor,
Penang**

BEM CPD Hours: 3

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Seminar Outline

- 08:30-09:00** Registration
- 09:00-09:10** Welcome address by IEM
Opening address with Introduction of MAPEI by Mr Ryan Ong
- 09:10-10:45** 1st TALK – INTRODUCTION TO STRUCTURAL STRENGTHENING by Ing. Umberto
- 10:45-11:00** Tea break
- 11:00-12:00** 2nd TALK – CALCULATION TOOLS & APPLICATION (by Umberto)
- 12:00-12:30** Case Studies by Khairi
- 12:30-12:50** Q&A
- 12:50-01:00** Lucky Draw
- 01:00-02:00** Lunch and Networking (provided by MAPEI)

