



Organised by :
Civil & Structural Engineering Technical Division

WEBINAR TALK ON MS EN 1992-4 IN MALAYSIA: UPDATES, ANNEXES, AND PRACTICAL IMPLEMENTATION FOR FASTENING IN CONCRETE.

About The Webinar

- ✓ **Date :**
13th May 2025
- ✓ **Time :**
3pm - 5pm
- ✓ **Venue :**
Virtual Platform - ZOOM

Webinar Speakers



**Assoc. Prof. Dr. Looi
Ting Wee**



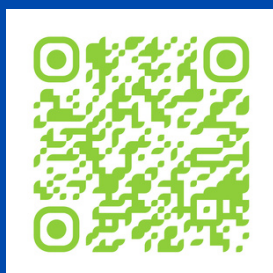
Ir. Ng Beng Hooi

CPD HOURS : 2.0 HOURS CPD
REF NO.: IEM26/HQ/143/T(w)

Registration Fees

IEM Students : Free
IEM Members : RM15
Non-IEM Members : RM70

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Synopsis

This 2-hour webinar delivers a focused briefing on the latest updates to MS EN 1992-4 (EC2-4) and Malaysia's adoption journey, including the relevant national annexes. The session clarifies amendments, interpretation challenges, and practical steps for engineers, designers, and project teams to ensure compliant, safe, and efficient design and construction.

EC2-4, the Eurocode framework for the design of fastenings in concrete, provides a rigorous and comprehensive approach that prioritizes safety and long-term durability. It offers standardized methodologies for a range of fastening types and loading scenarios, enabling consistent and reliable performance throughout a structure's expected service life.

Attendees will gain a clear understanding of the scope, key design criteria, material considerations, detailing rules, and verification procedures. The webinar also addresses the Malaysian adoption context—highlighting the path to integration, required documentation, and risk areas for designers and contractors. By the end, participants will be better equipped to apply MS EN 1992-4 in Malaysian projects, navigate annex-specific requirements, and communicate design intent clearly across teams.

Speakers Profiles

Daniel Looi is Associate Professor and a structural engineer with working experience in Malaysia and Hong Kong. He has a bachelor's degree in Civil Engineering from the University of Malaya and a PhD in Structural Engineering from the University of Hong Kong. Daniel is a Chartered Professional Engineer (structural) of Engineers Australia. He volunteered to develop the Malaysian national code for EC8-1 (Seismic actions for buildings), EC1-1-6 (Actions during execution), and he chaired the Working Group for the Malaysian EC2-4 (Design of fastenings for use in concrete). He served as an Associate Editor (Civil) for HKIE Transactions, Editorial Board Member (Civil) for Scientific Reports (Springer Nature), Earthquake Engineering and Resilience (Wiley) and Academic Editor for Shock and Vibration (Wiley). More about his research on seismic structural engineering can be found at www.quakeadvice.org.

Ir. Ng Beng Hooi graduated with a Bachelor of Engineering (Civil Engineering) from Universiti Teknologi Malaysia (UTM) in 2005 and has accumulated over 20 years of professional experience across consultancy, manufacturing, and international engineering organizations, with a specialization in fastening, passive fire protection – firestop, and geosynthetics. He is currently with Hilti, serving as the Regional Codes & Approvals (C&A) Manager for Southeast Asia.” In addition, he serves as Chairman of the Civil & Structural Engineering Technical Division (CSETD) for 2025/2026 and as Fire Advisory Board Member (2023–2026) under The Institution of Engineers, Malaysia (IEM). He also contributes to national and industry standards bodies, including serving as a Working Group Member for EC2-4 under Standards Malaysia, a Committee Member for NSC 13 Fire Protection Standards (2023–2026), and an M&E Technical Committee Member with the Master Builders Association Malaysia (MBAM). He is a Professional Engineer (Ir.), ASEAN Engineer, APEC Engineer, and International Professional Engineer, reflecting his commitment to advancing engineering standards, safety, and professional practice in Malaysia and the region.