Organised by : Civil and Structural Engineering Technical Division, IEM in Collabration with Enhanced Regional EU-ASEAN Dialogue Instrument (E-READI)

IEM
The Institution of Engineers, Malaysia

PHYSICAL TALK

Lecture on Design of Steel Structures Using Eurocodes

28th Oct 2025, Tuesday
3.00pm to 4.30pm

Chin Fung Kee, Auditorium,
3rd Floor, Wisma IEM

FREE ENTRY

Enroll Now

www.myiem.org.my

BEM APPROVED CPD HOURS: 1
Ref: applying

Speaker
Prof. Qian Xudong

SYNOPSIS

This lecture introduces the principles and practices of designing steel structures in accordance with the Eurocodes, a set of harmonized European standards for structural engineering. It covers the fundamentals of Eurocode 3 (EN 1993), which governs the design of steel components, connections, and systems under various loading conditions. Participants will gain insights into limit state design, material selection, structural safety, and serviceability criteria. The session also highlights practical applications, including frame analysis, member sizing, and stability checks, with emphasis on compliance and optimization. Ideal for engineers, students, and professionals seeking to align with international design standards.

SPEAKERS BIODATA

Dr Qian Xudong is currently a Dean's Chair Associate Professor in the Department of Civil and Environmental Engineering (CEE). He is currently serving as the Deputy Head (Administration and Finance) for CEE, Director (Strategy, Partnership and Technology Translation) for Coastal Protection and Flood Resilience Institute (CFI) Singapore, Director for the Centre for Offshore Research and Engineering (CORE), and Director for the Centre for Advanced Materials and Structures (CAMS). His research work is mainly on the dada-driven structural digital twins, fracture, fatigue, and integrity assessments for engineering materials and large-scale structures, floating structures, composite materials, and structures.