



PolyU CEE - RCDfS Seminar

Design for Safety – Modular Integrated Construction (MiC)



Ir Richard Lee

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Date: 20 August 2025 (Wednesday)
Time: 6:30 pm – 8:00 pm
Mode: Hybrid Mode
Venue: **Room V322**, 3/F, Block V,
The Hong Kong Polytechnic University

Registration:



(Successful applicants who choose to attend online will receive Zoom link before the event)

Enquiry/ Seminar Moderator:

Ir Dr Nicole YIU (nico.yiu@polyu.edu.hk)

Biography

Ir Richard Lee graduated from The Hong Kong Polytechnic (now the Hong Kong Polytechnic University) in 1981. He is a Chartered Engineer, a Fellow of the Hong Kong Institution of Engineers (Structural Division), a Fellow of the Hong Kong Concrete Institute, and a Registered Professional Engineer. With over 35 years at Yau Lee Holdings Limited, Ir Lee has substantial work experiences in project design and management in Hong Kong.

Since 1993, Ir Lee has been actively involved in developing semi-precast construction technology, particularly in formwork system design, construction cycle planning, and precast component design for building construction. He led the team that developed the application of volumetric precast concrete bathroom construction for public housing in 2000. Since 2018, he has spearheaded the development of a high-rise concrete modular integrated construction system, first implemented in the Staff Quarters for the Fire Services Department at Pak Shing Kok, Tseung Kwan O. Ir Lee is also the Vice-President (Building) of the Hong Kong Construction Association.

Abstract

Modular Integrated Construction (MiC) is revolutionizing the construction industry by improving efficiency, quality, and sustainability. However, ensuring safety throughout the design and construction process is essential to the successful implementation of MiC projects. This webinar will explore the principles of "Design for Safety" in the context of MiC, highlighting how safety can be proactively integrated from the earliest design stages through to project completion. Attendees will gain insights into risk identification, mitigation strategies, and collaborative approaches that foster safer working environments. Real-life case studies and practical guidelines will be shared to empower professionals to implement effective safety measures in their own MiC projects.

