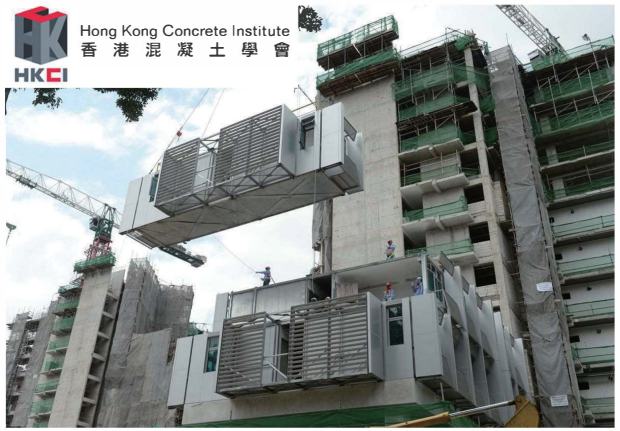
Supporting Organizations

Sponsors



Hong Kong Concrete Institute
香 港 混 凝 土 學 會
HKCI

HONG KONG CONCRETE INSTITUTE ANNUAL CONCRETE SEMINAR 2020

MAIN THEME: Modular Integrated Construction – Issues and Solutions

Modular Integrated Construction (MiC) refers to a construction whereby free-standing integrated modules are manufactured in a prefabrication factory and then transported to site for installation in a building.

The construction industry has been facing the challenges of high costs, lack of skilled labour and declining productivity. Wider adopting of innovative construction methods and advanced technology are hence key to tackling these challenges, and Modular Integrated Construction (MiC) provides a timely solution for enhancing the productivity and cost-effectiveness of the construction industry.

However, the industry is still lack of ample experience in MiC is facing a lot of issues in design, manufacturing, installation and inspection for compliance check. Solutions for these issues will be discussed by distinguished speakers in the Annual Concrete Seminar 2020 for knowledge sharing with audiences.

Who should attend?

- *Engineers and professionals from Government, developers, public authorities, consultants, contractors, prefabricators and materials suppliers.*
- *Academics, scientists and graduates from universities, and public and private research institutions.*

Seminar Highlights

The concept of Modular Integrated Construction (MiC) is to prefabricate building units at factories followed by on-site installation. It is considered to be part of the solutions to reduce site activities which require intensive labour force and to shorten construction cycles. As a consequence of governmental promotion and encouragement for MiC to tackle the local problems of shortage in labour force and high demand for housing units, it has become a hot topic in the industry drawing the attention of designers and engineers in various disciplines. As a leading learned society in concrete and related materials, HKCI has already pioneered to put this topic as the main theme in last year's Annual Concrete Seminar by giving much introduction and insights for MiC to the industry.
In many parts of the World, MiC has been studied and implemented for years with limited number of projects. However, different countries or localities have different characteristics of project size, building heights, road restrictions, site constraints, etc. for MiC. In this regard, overseas experience can be referred but may not be transferred in full to Hong Kong.
Following the ardent discussion and studies in the local industry for MiC in recent years, issues have been raised for difficulties and constraints in different areas in design, prefabrication, transportation, installation and inspection for compliance. Before implementing the construction method of MiC, issues should be identified as many as possible for the study of solutions for avoiding engineering problems or even small hiccups in large scale applications. Distinguished speakers from various sectors including design house, academic/research institutes and industry participants will share their knowledge, experience or research findings for providing solutions to these issues, although not all. This seminar will benefit participants in the industry for better understanding of MiC as well as solutions for issues that would be faced.

WHEN?
25 November 2020
0900 – 1730

WHERE?
CHRISTIAN FAMILY SERVICE CENTRE

3 Tsui Ping Road, Kwun Tong, Kowloon

FORMATS OF SEMINAR
ON-SITE & WEBINAR

ANNUAL CONCRETE SEMINAR 2020

MODULAR INTEGRATED CONSTRUCTION ISSUES & SOLUTIONS

Registration Form

Name: (Ir/Prof/Dr/Mr/Mrs/Ms) _____ 中文姓名_____

(to be printed on CPD Certificate)

Company/Institution Name: _____

Position held: _____ Contact Email: _____

Contact Telephone: Office: _____ Mobile: _____

(for facilitating registration)

Membership type (if any) & Enrolment fee:

(enrolment deadline: 16 November 2020, Early Bird: 23 October 2020)

	Membership No.	Enrolment Fee	Early Bird	*Webinar
☐ HKCI Member, Class M/F/C*	_____	HK$800	HK$700	HK$300
☐ HKIE Member, Class S / G / A/M/F /R *_____		HK$800	HK$700	HK$300
☐ Full-time Student		HK$250		HK$100
☐ Non-member		HK$900	HK$800	HK$300

* The seminar will also be conducted online by webinar to cope with the government policy to control the spread of COVID19.

- Enrolment can be made by:
  - By Online registration: (online payment to Hang Sang Bank A/C "Hong Kong Concrete Institute Limited" with A/C No.: 264-301698-001)
    - Sending this completed registration form by email to hkciseminar@gmail.com attached with the printed online payment record, or
    - Online enrolment on HKCI website: www.hongkongci.org and upload the online payment record.
  - For Group Registration by company, a request letter for registration under the company's letter head shall be sent to the HKCI Secretariat with the name list of the participants stating their HKCI/HKIE membership classes and numbers, if any, and together with
    - a cheque mail to P.O. Box 79077, Mongkok Post Office, Mongkok, Kln., or
    - an online payment advice email to hkciseminar@gmail.com, or
    - a commitment statement for payment in the letter for reservation of seats, while the payment is to be settled not later than the seminar day.
- Seminar materials will be provided.
- Copy of membership card should be attached with enrolment form.
- Enrolment fee will only be refunded upon cancellation by writing on or before 16 November 2020.
- CPD certificates will be sent to participants after seminar by email.
- HKCI reserves all rights to make any changes to the programme and speakers without prior notice.
- The seminar will be cancelled or terminated if No. 8 typhoon signal or black rain warning is hoisted 2 hours before commencement of the seminar or during the seminar. If the seminar cannot be held

* The personal data collected and further processed are data necessary for registering you for the HKCI seminar. The HKCI will use the personal information to process your registration and communicate with you. By submitting this registration form you consent to the processing of the entered information by the HKCI as described in the privacy statement.

For enquiries : Please contact HKCI Secretariat via 852-27892389 or hkciseminar@gmail.com

Programme for Annual Concrete Seminar 2020

Time	Programme
08:30	**Registration**
09:15	Welcoming Speech Ir Professor Adam Choy President of Hong Kong Concrete Institute
09:25	Opening Speech – Guest of Honour Mr. YU Tak–cheung, JP
09:40	Presentation of Souvenirs to Platinum & Gold Sponsors Ir Professor Adam Choy President of Hong Kong Concrete Institute
09:55	Photo Guests and/or Sponsors
10:05	MiC: New Era of Building Construction Professor Tarek Zayed The Hong Kong Polytechnic University
10:35	**Break**
10:50	Material, Methodology and Inspection Technology for Structural Joints in Modular Integrated Construction Dr Ma Xu Guangdong Provincial Academy of Building Research Group
11:20	Challenges for MiC Application in Rank and File Quarters for FSD at Pak Shing Kok Ir Richard Lee Yau Lee Construction Co. Ltd.
11:50	Q & A Session
12:10	**Lunch**
14:00	Manufacturing of Pre-decorated MiC Units: A Global Perspective on Trends, Standards and Performance Solutions for Waterproofing, Tiling and Flooring Dr Jan Kalkühler and Dr Andreas Oberecker The ARDEX Group, Germany
14:30	The New Technology of Reinforced Concrete – Structural MiC Ir Professor Albert Kwan and Mr. Calvin Wong The University of Hong Kong
15:00	**Break**
15:15	Development of Prefabricated RC Buildings–Case Study on Seismic Damages in 512 Wenchuan Earthquake Professor Wang Yayong China Academy Building Research
15:45	Opportunities and Risks in MiC Construction Ms. Michelle Lui Hip Hing Construction Co. Ltd.
16:15	Q & A Session
16:45	Closing Speech – Guest of Honor Ir Professor YL Wong Chairman of Seminar Organizing Committee