香 港 大 學
THE UNIVERSITY OF HONG KONG

IAMC
International Association for Modular Construction
模 塊 建 造 國 際 學 會

ICMC 2026

International Conference on Modular Construction

模塊建造國際會議

2026.11.21
Hong Kong



Organisers 主辦單位

International Association for Modular Construction 模塊建造國際學會

香港大學 THE UNIVERSITY OF HONG KONG

Government Collaborator 合作單位

中華人民共和國香港特別行政區政府
發展局
Development Bureau
The Government of the Hong Kong Special Administrative Region of the People's Republic of China

Co-organisers 協辦單位

模塊組合建造實驗室 MiC Laboratory

香港大學建造及基建創新研究中心 CENTRE FOR INNOVATION IN CONSTRUCTION AND INFRASTRUCTURE DEVELOPMENT

Estates Office The University of Hong Kong

hklti 香港法律培訓學院 Hong Kong Legal Training Institute

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市區重建局 URBAN RENEWAL AUTHORITY

廿五同心 共建同行 YEARS OF UNITY BUILDING TOGETHER

Supporting Organisations 支持機構

建築署
Architectural Services Department

屋宇署
BUILDINGS DEPARTMENT

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CEDD Civil Engineering and Development Department

機電工程署
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香港房屋委員會
Hong Kong Housing Authority

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National Infrastructure & Service Transformation Authority

centralelille

Future of Housing Construction
CENTRE OF EXCELLENCE

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Stanford University

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CONSTRUCTION INDUSTRY COUNCIL
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香港工程師學會

HKGBC
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ice
Hong Kong

ASCE
GREATER CHINA SECTION
美國土木工程師學會
大中華分會

BIAS
深圳市建筑产业化协会
Building Industrialization Association of Shenzhen

CIOB
The Chartered Institute of Building

LRQA

Total Flow

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International Conference on Modular Construction 2026 模塊建造國際會議 2026

The construction industry exerts a direct and significant influence on economic growth, environmental protection, and social development. The built environment worldwide is striving for a smart, sustainable and resilient future. Over the past decades, the global construction sector has confronted persistent challenges including housing shortages, low productivity and labour constraints. Modular construction (MC), as an innovative approach, has been promoted and adopted in many countries such as US, UK, Canada, Germany, Australia, Singapore, and China. To date, many high-rise modular buildings have been completed worldwide, with both steel and concrete modular buildings reaching heights of over 50 storeys. In Hong Kong, modular integrated construction (MiC) has been adopted in delivering more than 150 building projects since 2017, covering various types of development in both public and private sectors. MC has demonstrated substantial advantages in productivity, quality and safety, with rapid development.

Co-organised by the International Association for Modular Construction (IAMC) and The University of Hong Kong (HKU), the International Conference on Modular Construction 2026 (ICMC 2026) is held on 21 November 2026 in Hong Kong. This Conference is a flagship event of the InfraEX Week 2026.

ICMC 2026 provides a premier international platform for industry leaders, professionals, policymakers, and academics worldwide to share cutting-edge research findings, innovative practices, emerging technologies, and future developments in MC/MiC. It covers a wide range of research fields in the application of MC to building construction and infrastructure development. Featuring renowned speakers from over 10 countries and regions, the conference facilitates high-level exchanges and international collaboration.

建造業對經濟增長、環境保護及社會發展具有直接而重大的影響。全球建築環境正朝着智慧、可持續及具韌性的未來邁進。過去數十年，全球建造業一直面對房屋短缺、生產力偏低及勞動力不足等持續挑戰。模塊建造作為一種創新的建造方式，已在美國、英國、加拿大、德國、澳大利亞、新加坡及中國等多個國家獲得推廣和應用。時至今日，世界各地已落成多幢高層模塊建築，其中鋼結構及混凝土模塊建築的高度均已超過50層。在香港，自2017年以來，「組裝合成」建築法（MiC）已應用於超過150個建築項目，涵蓋公營及私營界別的不同發展類型。模塊建造在生產力、質素及安全方面展現顯著優勢，並持續迅速發展。

模塊建造國際學會（IAMC）與香港大學於2026年11月21日在香港聯合舉辦"模塊建造國際會議2026（ICMC 2026）"。本次會議是國際基建卓越周2026（InfraEX Week 2026）的旗艦活動之一。

ICMC 2026為全球業界領袖、專業人士、政策制定者及學者提供高水平的國際交流平台，分享模塊建造及「組裝合成」建築法的前沿研究成果、創新實踐、新興技術及未來發展。會議涵蓋模塊建造應用於樓宇建造及基建發展的廣泛研究領域，並匯聚來自超過10個國家和地區的知名講者，促進高層次交流與國際合作。



About IAMC
模塊建造國際學會簡介

International Association for Modular Construction
模塊建造國際學會

The International Association for Modular Construction (IAMC) was established in 2025 as a global not-for-profit organisation dedicated to advancing the field of modular construction. Hosted under the support of an international association of academic, industry, and government partners, IAMC aims to foster innovation and excellence in modular construction practices.

模塊建造國際學會（IAMC）于2025年成立，是一個致力於推動模塊化建造領域發展的全球性非營利組織。學會由國際學術界、產業界和合作夥伴的支持舉辦，旨在促進模塊化建造實踐的創新和卓越發展。

Vision 願景

IAMC envisions a smart, sustainable and resilient built environment through continuously expanding the knowledge boundaries of modular construction.

IAMC 致力於透過不斷拓展模塊化建造的知識邊界，打造智慧、永續且具韌性的建築環境。

Mission 使命

01

To lead the state-of-the-art research and innovation and its technology transfer of modular construction globally and in particular high-rise high-density cities and areas under extreme conditions, aimed at novel solutions.

引領全球模塊化建造領域的前沿研究、創新和技術轉移，特別是聚焦於高層高密度城市與極端條件地區，以開發創新性解決方案。

02

To disseminate new knowledge of modular construction through annual international conferences on modular construction and regular learning activities.

透過舉辦年度模塊建造國際會議及定期學習活動，傳播模塊化建造領域的新知識。

03

To inform policy making and review on modular construction at multiple levels and scales including society, government, organisational and project.

為模塊化建造在社會、政府、組織及項目等多個層面與規模上的政策制定與政策檢討提供資訊和支撐。

04

To support and promote the adoption of innovative modular construction technologies and management.

支持並推動創新型模塊化建造技術與管理模式的採用與普及。

Programme Rundown 會議議程

Morning Session 上午環節

8:30 | **Registration** | **簽到**

9:00



Welcome Remarks | **歡迎辭**

Professor Xiang Zhang, JP
President and Vice-Chancellor
The University of Hong Kong

張翔教授，太平紳士
香港大學
校長

9:05



Opening Address | **開幕致辭**

Guest of Honour: | ***主禮嘉賓:***

Ms Bernadette Linn, JP
Secretary for Development
The Government of the Hong Kong Special Administrative Region

甯漢豪女士，太平紳士
香港特區政府發展局
局長

9:10



Special Remarks | **特別致辭**

Mr Haiying Yang
Director-General
Department of Engineering Quality and Safety Supervision, Ministry of Housing and Urban-Rural Development (MOHURD), China

楊海英先生
中華人民共和國住房和城鄉建設部
工程質量安全監管司
司長

9:15



International Development of Modular Construction | **模塊建造國際發展**

Professor Wei Pan, MH
President, International Association for Modular Construction (IAMC)
Head of Department of Civil Engineering
Director of MiCLab; Executive Director of Centre for Innovation in Construction & Infrastructure Development (CICID), The University of Hong Kong

潘巍教授，榮譽勳章
模塊建造國際學會 主席
香港大學土木工程系 系主任
香港大學模塊組合建造實驗室 主任
香港大學建造及基建創新研究中心 執行總監

9:25

Booklet Launch | **手冊發布儀式**

MoU Signing Ceremony | **合作諒解備忘錄簽署儀式**

Signing:
Professor Wei Pan, MH, Head of Department of Civil Engineering, The University of Hong Kong

Mr Bo Chen, Head of Research Institute of Standards and Norms, Ministry of Housing and Urban-Rural Development, China

簽署:
潘巍教授，榮譽勳章
香港大學土木工程系 系主任

陳波先生
中华人民共和国住房和城乡建设部標準定額研究所 所長

9:40 | **Photo Session** | **合照**

9:55 | **Coffee Break** | **茶歇**

Theme 1:
Modular Construction Global and MiC Good Homes (好房子)

主題一：
全球模塊建造與MiC「好房子」

10:15



Digital Twins: From Production Data to Production Intelligence Understanding, Predicting, and Improving Modular Production

Professor Martin Fischer
Department of Civil and Environmental Engineering
Stanford University, US

數碼孿生：從生產數據到生產智慧 - 理解、預測及提升模塊化生產效能

Martin Fischer 教授
美國史丹佛大學土木與環境工程系
教授

10:35



Modern Methods of Constructions in the UK

Ms Becky Wood
Chief Executive Officer
National Infrastructure & Service Transformation Authority
United Kingdom Government

英國的現代建築施工方法

Becky Wood 女士
英國政府國家基礎設施與服務轉型署
首席執行官

10:55



Automated Technologies for Modular Construction and Climate-Resilient Solutions: From Lab to Commercialization

Professor Mohamed Al-Hussein
Department of Civil and Environmental Engineering
University of Alberta, Canada

模塊化建造中的自動化技術與氣候韌性解決方案：從實驗室研發到商業化應用

Mohamed Al-Hussein 教授
加拿大阿爾伯塔大學土木與環境工程系
教授

11:15

Panel Discussion: MiC Good Homes

Moderator:



Ir Professor Thomas Ho
Chairman
Construction Industry Council, HKSAR, China

Panellists:



Mr Yuping Liao
Director
Center of Science and Technology and Industrialization Development
Ministry of Housing and Urban-Rural Development, China



Ir Professor Frank Chan Fan, GBS, JP
President
The Hong Kong Institution of Engineers, HKSAR, China



Mr Max Chi Chung Wong
Deputy Director (Development & Construction) (Acting)
Housing Department, The Government of the Hong Kong Special Administrative Region



Ar Donald Choi, BBS, JP
Managing Director
Urban Renewal Authority, HKSAR, China

專題討論：MiC「好房子」

主持人：

何安誠教授工程師
香港建造業議會
主席

討論嘉賓：

廖玉平先生
住房和城鄉建設部科技與產業化發展中心
主任

陳帆教授工程師，金紫荊星章，太平紳士
香港工程師學會
會長

黃至中先生
香港特區政府房屋署
署理副署長（發展及建築）

蔡宏興建築師，銅紫荊星章，太平紳士
香港市區重建局
行政總監

11:45



Modular Construction in Australia: State of the Art in Modern Methods of Construction and Low Carbon Innovation

Professor Tuan Ngo, FTSE
Research Director
PrefabAUS, Australia

澳大利亞模塊化建造: 現代建造方式與 低碳創新的最新進展

Tuan Ngo 教授
澳大利亞技術科學與工程院 院士
澳大利亞PrefabAUS 研究總監及董事

12:05



When industry takes the lead in construction: the French strategy and its initial results

Professor Zoubeir Lafhaj
Professor, Centrale Lille Institute
President and Founder
French Institute for Lean Construction, France

產業引領建築業發展: 法國的戰略及其初步成效

Zoubeir Lafhaj 教授
法國里爾中央理工學院 教授
法國精益建築學院 院長

Afternoon Session 下午環節

14:00



Opening Address

Ir Ricky Lau, JP
Permanent Secretary for Development (Works)
The Government of the Hong Kong Special Administrative Region

開幕致辭

劉俊傑工程師，太平紳士
香港特區政府發展局
常任秘書長（工務）

Theme 2: MiC GBA and Hong Kong Story

主題二: 大灣區及香港MiC實踐

14:05



From Local Adoption to Global Opportunity: BTRi's Vision for Advancing the GBA MiC Ecosystem

Ir Professor John Kwong, BBS
Director
Building Technology Research Institute (BTRi), HKSAR, China

由本地應用邁向全球機遇: 香港建科院推動大灣區MiC生態圈 發展的願景

鄺家陞教授工程師，銅紫荊星章
香港建築科技研究院
董事

14:20



The HKU Story – And Beyond

Mr Sunny Yeung
Director of Estates
The University of Hong Kong

香港大學的故事: 回顧與未來

楊光先生
香港大學物業處
處長

14:40



Assuring the Future of Modular Construction: Building on Lloyds Register Quality Assurance over 250 Years

Ir Tim Hall
Chief Executive Officer
Alma Kaizen Consulting (partnering with LRQA), United Kingdom

護航模塊建造未來: 依託勞氏質量認證（LRQA） 逾250年的品質保障經驗

Tim Hall 工程師
英國Alma Kaizen顧問公司
首席執行官（勞氏質量認證合作 夥伴）

Panel Discussion: MiC GBA

專題討論：大灣區MiC

Moderator:

主持人：



Ir Frankie Fung, JP
Principal Assistant Secretary (Project Capability and Strategy),
Project Strategy and Governance Office
Development Bureau, The Government of the
Hong Kong Special Administrative Region

馮耀文工程師，太平紳士
香港特區政府發展局項目策略及管控處
首席助理秘書長（項目推展及策略）

Panellists:

討論嘉賓：

15:00



Ir Dr Conrad Wong, BBS, JP
President
Hong Kong Modular Integrated Construction
Manufacturers Association (HKMiCMA)
Vice Chairman
Yau Lee Holdings Limited, HKSAR, China

黃天祥博士工程師，銅紫荊星章，太平紳士
香港組裝合成建築廠商會 會長
有利集團有限公司 副主席



Dr Yonghai Wang
Chief Engineer
Guangzhou Municipal Housing and
Urban-Rural Development Bureau, China

王永海博士
廣州市住房和城鄉建設局
總工程師



Dr Qin Huang
Director
Construction Technology Promotion Center of
Shenzhen Housing and Construction Bureau, China

黃勤博士
深圳市住房和建設局建設科技促進中心
主任



Mr Junli He
General Manager
Shenzhen Qianhai Shekou Free Trade
Investment Development Co., Ltd., China

何軍利先生
深圳市前海蛇口自貿投資發展公司
總經理、董事

15:30

Coffee Break

茶歇

Theme 3: MC Delivery and Procurement

主題三：模塊建造項目交付及採購

16:00

Enhancing Progressive Collapse Resistance of Prefabricated Prefinished Volumetric Construction (PPVC) system in Singapore



Professor Tan Kang Hai
Professor, Director
School of Civil and Environmental Engineering
Protective Technology Research Centre
Nanyang Technological University, Singapore

提升新加坡預製預裝修模塊化建築（PPVC）體系的抗連續倒塌能力

Tan Kang Hai 教授
新加坡南洋理工大學土木與環境工程學院 教授
防護技術研究中心 主任

16:20

Australia's Housing Construction Transformation: Scaling MMC from Innovation to Industry



Mr Gabriel Solorzano Torres
Project Leader
National Centre of Excellence for Future of Housing Construction
Executive Director
Commercial, Sustainability and Infrastructure
Melbourne Polytechnic, Australia

澳洲住宅建造業的轉型：推動現代建造工法(MMC)發展，從創新實踐邁向產業規模化

Gabriel Solorzano Torres 先生
澳大利亞住房建設未來國家卓越中心 主任
墨爾本理工學院商業、可持續發展與基礎設施
執行總監

16:40



Industrialising the Construction Site of the Future: Modularisation, Construction Site Efficiency and Robotics from a Global Formwork Perspective

Dr Helmut Schnabl
Head
Construction Site Efficiency, Doka, Europe

面向未來的施工現場工業化: 全球模板工程視角下的模塊化施工、現場施工效率與機器人技術

Helmut Schnabl 博士
歐洲多卡集團
總監（施工現場效率）

17:00



Constructing the Law for Modular Construction Procurement

Professor Gary Soo
Practising Barrister
Gary Soo's Chambers
Co-Founder
Hong Kong Legal Training Institute (HKLTI), HKSAR, China

建構採購模塊建造之法律

蘇國良教授
香港蘇國良大律師辦事處 大律師
香港法律培訓學院 聯合創辦人

17:20

Panel Discussion: MiC Procurement

Moderator:



Ir Professor Sam Chan
Associate Director
Centre for Innovation in Construction and Infrastructure Development, The University of Hong Kong

專題討論：MiC採購

主持人:

陳如森教授工程師
香港大學建造及基建創新研究中心
副總監

Panellists:



Ar Edward Wong On-wa
Deputy Director
Architectural Services Department, The Government of the Hong Kong Special Administrative Region

王安華建築師
香港特區政府建築署
副署長



Ir Franco Cheung
Director (Projects)
Hong Kong Housing Society, HKSAR, China

張冠華工程師
香港房屋協會
總監（項目策劃與管理）



Ir Dr Louis Chu
Associate Director
Estates Office, The University of Hong Kong

朱耀樑博士工程師
香港大學物業處
副處長

17:50



Closing Remarks

Ir Professor C.K. Mak, GBS, JP
Vice Chairman
Centre for Innovation in Construction and Infrastructure Development, The University of Hong Kong

閉幕致辭

麥齊光教授工程師，金紫荊星章， 太平紳士
香港大學建造及基建創新研究中心
副主席

** For information on the speakers and keynotes, please refer to the e-brochure.*

** 有關講者及演講詳情，請參閱電子場刊。*

Guest of Honour and Opening Address
主禮嘉賓及開幕致辭



Ms Bernadette Linn, JP

Secretary for Development
The Government of the Hong Kong Special Administrative Region

甯漢豪女士，太平紳士

香港特區政府發展局
局長

Biography | 個人簡介

Ms Bernadette Linn was appointed the Secretary for Development on 1 July 2022.

Ms Linn joined the Administrative Service in 1989 and rose to the rank of Administrative Officer Staff Grade A1 in 2019. She has served in various bureaux and departments, including appointments as Deputy Secretary for Education in 2005, Deputy Secretary for Financial Services and the Treasury (Treasury) in 2008, Private Secretary to the Chief Executive in 2010, Director of Lands in 2012 and Permanent Secretary for Development (Planning and Lands) in 2017.

Ms Linn holds a Bachelor Degree from The University of Hong Kong (major in Literature) and a Master Degree from The University of Michigan, Ann Arbor (major in Communication Studies).

甯漢豪女士於2022年7月1日出任發展局局長。

甯女士於1989年加入政務職系，2019年晉升為首長級甲一級政務官。她曾在多個政策局及部門服務，包括於2005年出任教育局副秘書長，2008年出任財經事務及庫務局副秘書長（庫務），2010年出任行政長官私人秘書，2012年出任地政總署署長，2017年出任發展局常任秘書長（規劃及地政）。

甯女士持有香港大學學士學位（主修文學）及密歇根大學（安娜堡）碩士學位（主修傳理學）。

Special Remarks
特別致辭



Mr Haiying Yang
Director-General
Department of Engineering Quality and Safety Supervision, Ministry of Housing and Urban-Rural Development (MOHURD), China

楊海英先生
中華人民共和國住房和城鄉建設部
工程質量安全監管司
司長

Biography | 個人簡介

Mr Yang Haiying previously served as Deputy Director-General of the Department of Urban Development of MOHURD, Deputy Director-General of the Urban Management Supervision Bureau, and President of China Construction News. In September 2023, he was appointed Director-General of the Department of Construction Project Quality and Safety Management of MOHURD.

楊海英先生曾任住房和城鄉建設部城市建設司副司長，城市管理監督局副局長，中國建設報社社長。2023年9月出任住房和城鄉建設部工程質量安全監管司司長。

Welcome Remarks
歡迎辭



Professor Xiang Zhang, JP
President and Vice-Chancellor
The University of Hong Kong

張翔教授，太平紳士
香港大學
校長

Biography | 個人簡介

Professor Xiang Zhang is currently the President and Vice-Chancellor of the University of Hong Kong, member of Chinese Academy of Sciences (CAS) and also US National Academy of Engineering (NAE). Professor Zhang's research focuses on materials physics, metamaterials and nano-photonics. He has published over 410 journal papers including over 100 publications in Science and Nature family series. In 2008, Professor Zhang's research was selected by Time Magazine as one of the "Top Ten Scientific Discoveries of the Year" and "50 Best Inventions of the Year", Discover Magazine's "Top 100 Science Stories" in 2007, and R&D Magazine's top 25 Most Innovative Products of 2006. In 2019, his research team's work on "Casimir effect" was selected as one of the Top 10 Breakthroughs for 2019 by Physics World.

張翔教授為現任香港大學校長，中科院院士，美國國家工程院院士。張教授專攻材料物理、超材料和納米光子學的研究， 並發表了超過410篇科學文獻，當中超過100篇刊於《科學》及《自然》系列等重要科學期刊。張教授的研究曾獲選為《時代雜誌》「2008年度十大科學發現」及「2008年度五十項最佳發明」，並獲《發現》雜誌點評為「2007年百大科學故事」之一，以及入選《研究與開發》雜誌「2006年25個最佳創新產品」。他帶領的科研團隊利用「凱西米爾效應」進行的實驗成果，獲《物理學世界》選為2019年度十大科學突破之一。

Opening Address (PM Session)
開幕辭（下午環節）



Ir Ricky Lau, JP
Permanent Secretary for Development (Works)
The Government of the Hong Kong Special Administrative Region

劉俊傑工程師，太平紳士
香港特區政府發展局
常任秘書長（工務）

Biography | 個人簡介

Ir Lau Chun-kit was appointed Permanent Secretary for Development (Works) on 8 October 2021.

Ir Lau graduated from the Department of Civil and Structural Engineering, The Hong Kong Polytechnic University in 1989. He is a fellow member of the Hong Kong Institution of Engineers and the Institution of Civil Engineers.

Ir Lau joined the Government as an Assistant Engineer in March 1992. He was promoted to Chief Engineer in September 2011, to Government Engineer in July 2015, and to Principal Government Engineer in June 2017. He was Director of Civil Engineering and Development from October 2018 to October 2021 before his appointment as Permanent Secretary for Development (Works).

劉俊傑工程師於2021年10月8日獲委任為發展局常任秘書長（工務）。

劉俊傑工程師於1989年在香港理工大學土木及結構工程學系畢業。他身兼香港工程師學會及土木工程師學會的資深會員。

劉俊傑工程師於1992年3月加入政府，任職助理工程師，並先後於2011年9月晉升為總工程師，2015年7月晉升為政府工程師，再於2017年6月晉升為首席政府工程師。在出任發展局常任秘書長（工務）之前，他在2018年10月至2021年10月擔任土木工程拓展署署長一職。

Conference Chair
會議主席



Professor Wei Pan, MH

President, International Association for Modular Construction (IAMC)
Head of Department of Civil Engineering
Director of MiCLab; Executive Director of Centre for Innovation in Construction & Infrastructure Development (CICID),
The University of Hong Kong

潘巍教授，榮譽勳章

模塊建造國際學會 主席
香港大學土木工程系 系主任
香港大學模塊組合建造實驗室 主任
香港大學建造及基建創新研究中心 執行總監

Biography | 個人簡介

Professor Wei Pan is Head of Department of Civil Engineering of HKU, where he is also Executive Director of Centre for Innovation in Construction and Infrastructure Development, and Director of MiCLab and NetZeroLab. Professor was Acting Executive Vice-President (Administration and Finance), Associate Vice-President (Research and GBA), and Associate Dean of Engineering (Masters) of HKU. He developed the dialectical system theory to guide MiC research and development and established a MiC research ecosystem to systematize technology breakthroughs and innovations. His research is transformative, supporting MiC adoption in many capital projects. He has authored over 390 publications and supervised over 100 postgraduate researchers, being a Top 1% scholar worldwide by citations by Clarivate Analytics, World's Top 2% Scientists Released by Stanford University, and a global most impactful scholar in civil engineering released by GlobalAuthorID. He was elected Fellow of the Higher Education Academy in 2010, and Fellow of ICE and Fellow of HKIE in 2024. He has 30 years of working experience in academia and practice, awarded Distinguished Young Investigator of China in 2019, the HKSAR's Honours List in 2020, the MiC Outstanding People in 2022, and the Medal of Honour of the HKSAR in 2025.

潘巍教授現任香港大學土木工程系系主任、建造及基建創新研究中心執行總監、模塊組合建造實驗室主任及零碳實驗室主任。曾任香港大學署理行政及財務副校長、協理副校長（研究及大灣區）及工程學院副院長（碩士發展）。潘教授率先提出了辯證系統理論指導模塊組合建造（MiC）的研究和開發，並建立了MiC研究生態系統，以實現技術突破和創新。其研究具有變革性，支持了多項建設項目采用MiC。累計發表390余篇學術論文，培養100余名博士後、博士等科研人員，為Clarivate Analytics全球引用率前1%的學者、斯坦福大學公佈的世界排名前2%的科學家及全球學者庫發佈的最具影響力土木工程領域學者之一。其於2010年獲選英國高等教育院Fellow，2024年獲選英國土木工程師學會會士、香港工程師學會會士。潘教授擁有30年的學術和實踐經驗，於2019年獲評中國工程院中國工程前沿傑出青年學者，於2020年入選香港特區政府授勳名單，於2022年獲評為MiC傑出人物，以及於2025年獲頒香港特區政府榮譽勳章。

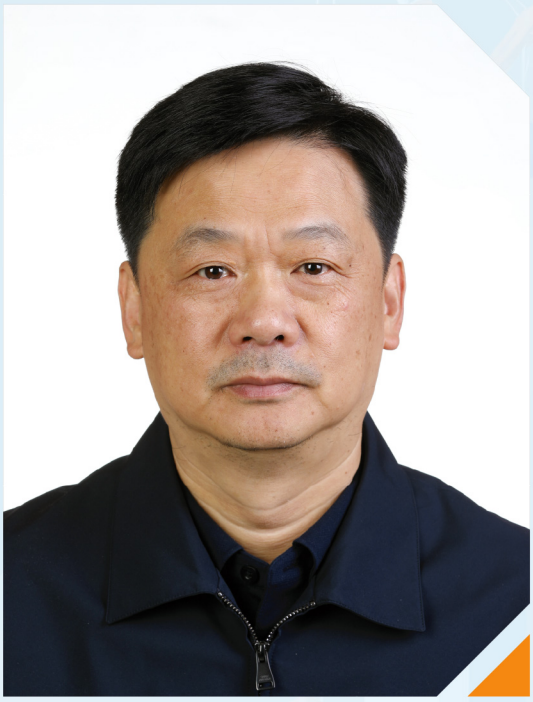
Speech | 演講主題

International Development of Modular Construction
模塊建造國際發展

Modular construction (MC) has been developed and promoted in many countries and regions to address critical challenges facing the construction industry. This presentation reviews the past and status quo of MC and explains its fundamentals, development, and applications in Hong Kong and worldwide. Systematic research on MiC ecosystem technology is shared for addressing the social-technical bottlenecks and achieving great benefits and impacts. The presentation also emphasizes the commitment and capability of Hong Kong and the rest of the Greater Bay Area in designing and delivering high-quality modular buildings. The International Association for Modular Construction (IAMC) is advocated as a global platform for exploring collaboration and seeking excellence. The presentation finally introduces the MiC Master Standard and the MiC Guidebook as the latest development to facilitate successful MiC project delivery.

模塊建造已在多個國家和地區成功應用及發展，以應對建造業面臨的重大挑戰。本次報告首先回顧了模塊建造的過去與現狀，介紹其基本原理以及在香港和世界各地的發展與應用。報告分享了香港大學模塊組合建造實驗室（MiCLab）的系統性研究，包括開發MiC生態系統的核心技術，以突破社會—技術瓶頸，並帶來顯著效益及影響。報告亦強調香港及粵港澳大灣區推動模塊建造的決心和能力，並推廣模塊建造國際學會（IAMC）作為促進合作、追求卓越的全球產學研平台。最後，報告介紹《MiC Master標準》與《MiC指南》及其發佈，以促進MiC項目成功交付。

MoU Representatives
合作諒解備忘錄代表



Mr Bo Chen
Head of Research Institute of Standards and Norms, Ministry of Housing and Urban-Rural Development, China

陳波先生
中華人民共和國住房和城鄉建設部標準定額研究所 所長

Biography | 個人簡介

Mr Bo CHEN, the head of Research Institute of Standards and Norms of the Ministry of Housing and Urban-Rural Development of P.R.China. He holds the title of Professor-Level Senior Engineer.

He has long been engaged in research on development policies for the construction, engineering survey, and design industries; the formulation of regulations; standardization in construction; and the management and research of the construction cost industry. Focusing on key areas such as the digital transformation of standards, the internationalization of standards, green and low-carbon development, smart construction, and urban renewal, he has led efforts to advance the development of the construction standards system, standard reform, and the commercialization of research outcomes. He has actively promoted international exchange and cooperation regarding China's construction standards, organized collaborative innovation among government, industry, academia, and research institutions, and supported the high-quality development of housing and urban-rural development through research on standards and cost estimation technologies.

陳波先生現任住房和城鄉建設部標準定額研究所所長，教授級高級工程師。

長期從事建築業、工程勘察設計行業發展政策研究、法規製定及工程建設標準化、工程造價行業管理與研究工作。聚焦標準數字化轉型、標準國際化、綠色低碳、智能建造、城市更新等重點方向，牽頭推進工程建設標準體繫建設、標準改革與成果轉化，積極推動中國工程建設標準對外交流合作，組織開展政產學研協同創新，以標準造價技術研究支撐住房城鄉建設高質量發展。



Keynote Speakers 主題演講嘉賓

Professor Martin Fischer
Department of Civil and Environmental Engineering
Stanford University, US

Martin Fischer 教授
美國史丹佛大學土木與環境工程系
教授

Biography | 個人簡介

Professor Martin Fischer is recognized globally for his pioneering research and leadership in transforming how buildings and infrastructure are designed, constructed, and operated. As a professor at Stanford University and longtime Director of the Centre for Integrated Facility Engineering (CIFE), he integrates engineering, management, and information sciences to develop methods that improve productivity, predictability, sustainability, and life-cycle performance. His research spans Virtual Design and Construction (VDC), Building Information Modelling (BIM), integrated project delivery, project production management, industrialized construction, digital twins, robotics, automation, and artificial intelligence. His award-winning research has shaped industry practices, technologies, and organizational strategies, enabling private and public organizations worldwide to improve project outcomes and pursue new strategic opportunities. He co-authored Integrating Project Delivery (Wiley, 2017), has published over 200 refereed articles and book chapters, and delivered more than 200 keynote and plenary lectures. He has served as principal thesis advisor to more than 80 Ph.D. graduates and has lived, worked, consulted, and taught across six continents.

Speech | 演講主題

Digital Twins: From Production Data to Production Intelligence Understanding, Predicting, and Improving Modular Production

數碼孿生：從生產數據到生產智慧 - 理解、預測及提升模塊化生產效能

The promise of modular construction is to deliver projects faster, more reliably, and more cost-effectively. Yet conventional construction management, with its focus on dates and progress, often leads to wasted production effort and large inventories of modules to accommodate site variability and maintain progress. Project Production Management (PPM) offers a fundamentally different approach by focusing on understanding and managing production rates, variability, and work-in-process to improve the performance of the overall production system.

Using an actual modular construction project, this presentation illustrates how digital twins enable the application of PPM principles by turning production data into actionable production intelligence. It demonstrates how real-time production data can reveal the dynamics of production systems and how simulation can predict production outcomes and evaluate alternative production system configurations and management strategies. By digitally twinning production processes and connecting factory and site operations, project teams can move beyond tracking progress to proactively managing production performance, thereby realizing more fully the potential of modular construction.

To accelerate the adoption and scaling of modular construction, the industry must leave behind conventional construction management practices and embrace production management principles and methods. Industrializing what we build requires industrializing how we manage production and construction.



Keynote Speakers 主題演講嘉賓

Ms Becky Wood

Chief Executive Officer
National Infrastructure & Service Transformation Authority
United Kingdom Government

Becky Wood 女士

英國政府國家基礎設施與服務轉型署
首席執行官

Biography | 個人簡介

Ms Becky Wood is the Chief Executive Officer of the National Infrastructure and Service Transformation Authority (NISTA).

Before taking up this role, she was a partner at the consultancy firm EY, and prior to that was a Commercial Advisor at the Infrastructure and Projects Authority. For ten years Becky oversaw major infrastructure developments at the Department for Transport, serving as the Senior Responsible Officer for the Crossrail, Thameslink and Intercity Express programmes. She also has valuable international experience, having worked on significant infrastructure programmes across both public and private sectors in Australia and New Zealand.

Speech | 演講主題

Modern Methods of Constructions in the UK
英國的現代建築施工方法

The long-term transformation agenda at the heart of the UK's 10 Year Infrastructure Strategy and the role that MMC and modular construction can play in supporting its delivery, sharing some examples of how the UK Government is creating the conditions which encourage the construction supply chain to use them



Keynote Speakers 主題演講嘉賓

Professor Mohamed Al-Hussein
Department of Civil and Environmental Engineering
University of Alberta, Canada

Mohamed Al-Hussein 教授
加拿大阿爾伯塔大學土木與環境工程系
教授

Biography | 個人簡介

Professor Mohamed Al-Hussein is Senior University of Alberta Engineering Research Chair in the Industrialisation and Decarbonisation of Construction and a professor in the Department of Civil and Environmental Engineering. He held the NSERC Industrial Research Chair in the Industrialisation of Building Construction and was the inaugural director of the Nasseri School of Building Science and Engineering. He is a highly sought researcher in the areas of modular construction, lean manufacturing, construction process optimization, and BIM. Dr. Al-Hussein's research has been published in well over 400 articles in leading journals and conference proceedings.

Speech | 演講主題

Automated Technologies for Modular Construction and Climate-Resilient Solutions: From Lab to Commercialization

模塊化建造中的自動化技術與氣候韌性解決方案：從實驗室研發到商業化應用

Since the time of the industrial revolution, efficiency has been a driver of innovation that has led engineers to develop new processes or improve existing ones through innovative managerial approaches. In this respect, efforts to increase efficiency in the field of building construction have led to the emergence of industrialized construction, which in turn has catalysed the expansion of modular construction. Industrialization coupled with modular construction provides opportunities for improved quality, scheduling, and safety, since work is performed within a controlled environment. These benefits, though, have been accompanied by several challenges. One such challenge is the need for digitized design and drafting practices (i.e., BIM) and implementation of automation or semi-automation in order to leverage the benefits of modular construction. In this context, the culture among construction professionals in North America is characterised, as regards digitisation and BIM, by a reliance on primitive CAD tools, and, as regards automation, by an approach best described as conventional construction under a roof. This presentation examines the practice, or "culture", of construction in specific reference to: (1) increased process efficiency through digitisation upstream from the factory door (i.e., design and drafting), in the factory (door-to-door), and from factory to site/installation; (2) technological innovations (e.g., implementation of automation/robotics) in modular construction (i.e., the shift from conventional construction under a roof to true manufacturing); and (3) prefabricated systems, including wood framing, light-gauge steel framing, and innovative climate-resilient precast concrete panel systems for residential and commercial structures. This presentation may include online life-demo of the technologies.



Keynote Speakers 主題演講嘉賓

Professor Tuan Ngo, FTSE

Research Director
PrefabAUS, Australia

Tuan Ngo 教授

澳大利亞技術科學與工程院 院士
澳大利亞PrefabAUS 研究總監及董事

Biography | 個人簡介

Professor Tuan Ngo, FTSE, is Research Director of prefabAUS, Australia's peak industry body for prefabrication and offsite construction. In this role, he supports industry-led research, innovation, and collaboration to advance modular and industrialised construction across Australia. He is also Research Program Lead with Building 4.0 CRC, a $130 million initiative established to transform the Australian building industry. Professor Ngo is Co-founder and Chief Technology Officer of Karbonix Technologies, a University of Melbourne spin-out developing and commercialising low-carbon concrete technologies and advanced manufacturing solutions for construction. His research spans modular and prefabricated building systems, lightweight hybrid structures, low-carbon and circular materials, resilient infrastructure, construction automation and digital engineering, with a focus on translating research into practical industry applications. He convenes the International Network for Decarbonising the Building Industry and is a Fellow of the Australian Academy of Technological Sciences and Engineering. He has served on the Australian Research Council College of Experts and European Research Council expert panels. His work has received international recognition, including the 2022 Scopus Research Award for Excellence in Research Impacting a Sustainable Future.

Speech | 演講主題

Modular Construction in Australia: State of the Art in Modern Methods of Construction and Low Carbon Innovation

澳大利亞模塊化建造: 現代建造方式與低碳創新的最新進展

Modern methods of construction (MMC) are creating new opportunities to improve productivity, quality, and sustainability across Australia's building sector. This keynote will present the state of the art in Australian modular and prefabricated construction, with a focus on construction and structural research and development and its translation into industry practice. Drawing on research and industry collaboration through prefabAUS and Building 4.0 CRC, Professor Tuan Ngo will examine advances in modular building systems, lightweight hybrid structures, and design for manufacture and assembly. The presentation will discuss how structural performance, resilience and material efficiency can be integrated with offsite manufacturing, automation and digital engineering to support reliable and scalable delivery. Low-carbon and circular material innovations will be illustrated through Karbonix Technologies, a University of Melbourne spin-out developing low-carbon concrete technologies and advanced manufacturing solutions. Examples will include CO2 mineralisation, the use of construction and industrial waste streams, and sensing and predictive modelling for manufacturing quality control. The keynote will highlight opportunities to connect materials innovation, structural design and factory processes, and identify research priorities for wider adoption of high-performance, low-carbon modular construction in Australia and internationally.



Keynote Speakers 主題演講嘉賓

Professor Zoubeir Lafhaj
Professor, President and Founder
Centrale Lille Institute, French Institute for Lean Construction, France

Zoubeir Lafhaj 教授
法國里爾中央理工學院 教授
法國精益建築學院 院長

Biography | 個人簡介

Professor Zoubeir Lafhaj is a full professor at the Centrale Lille Institute and a researcher at the LaMcube Research Centre, where he leads a team specialising in industrial construction. His work focuses on Construction 4.0, 3D printing, Lean Construction, and supply chains. He also explores the application of digital technologies to construction sites.

Drawing on his close collaboration with industry, Dr. Lafhaj headed the Construction 4.0 Chair (2017–2023), which is accredited by two ministries and the Hauts de France Region. He initiated the Master's programme in Lean Construction Modular 4.0 and teaches at Centrale Lille, as well as in Hong Kong, Singapore, Morocco, Tunisia, Canada and Japan. He is the author of five books and over 200 scientific articles and has supervised 36 doctoral and 17 postdoctoral students. He organised the _IGLC31, ISARC2024_ and _EuGLC2025_ global conferences in Lille, and the _SASBE2025_ conference. He is an active member of the IAARC and an expert reviewer for several international journals.

As former Dean of International Relations (2008–2015), he led Centrale Lille's strategy within the Erasmus Mundus networks and dual degree programmes. He is the president and founder of the French Institute for Lean Construction (IFCL), which was established in 2021 to promote Lean culture in France and the elected member of the National Academy in Construction in USA (NAC).

Speech | 演講主題

When industry takes the lead in construction: the French strategy and its initial results

產業引領建築業發展: 法國的戰略及其初步成效

The French construction sector is caught between two pressures: a sustained decline in housing production and growing demands for environmental performance and productivity. Modular and off-site construction is regularly presented as a solution: shorter lead times, factory-controlled quality, reduced on-site disruption, and better management of waste and carbon emissions. However, its uptake remains limited and varies greatly across different segments. This presentation outlines the current state of the construction sector in France, drawing on its history and growth. It examines how new technologies are opening new avenues for development within the sector.



Keynote Speakers 主題演講嘉賓

Ir Professor John Kwong, BBS

Director
Building Technology Research Institute (BTRi),
HKSAR, China

鄺家陞教授工程師，銅紫荊星章

香港建築科技研究院
董事

Biography | 個人簡介

Ir Professor John KWONG, BBS is Director of the Building Technology Research Institute.

Prof. Kwong has over 30 years of experience in delivering and overseeing public projects. He is the inaugural head of the Project Strategy and Governance Office of the Development Bureau where he advocated Construction 2.0, aiming to uplift the performance of the construction industry through the three pillars of innovation, professionalisation and industrialisation. In particular, he promoted measures and formulated polices for adopting MiC in Hong Kong for uplifting productivity, enhancing safety and safeguarding quality of building works. He was appointed Director of BTRi in 2024 and rolled out the MiC Manufacturers Accreditation Scheme. He is now the Chairman of the MiC Committee of BTRi and is tasked with spearheading the development and promotion of MiC.

Prof Kwong is currently the Vice-President for Development of the Hong Kong University of Science and Technology and Member of the Hospital Authority Board. Prof. Kwong is also the Chairman of the Construction Innovation and Technology Application Centre.

鄺家陞教授，BBS，現任香港建築科技研究院董事。

鄺教授擁有超過三十年推展及監督公共工程項目的經驗。他是發展局項目策略及管控處首任處長，任內積極倡導「建造業2.0」，透過創新、專業化及年輕化三大支柱，提升建造業的表現。他尤其致力推廣組裝合成建築法（MiC）在香港的應用，制定相關措施及政策，以提升生產力、加強安全表現及確保建築工程質素。他於2024年獲委任為建築科技研究院董事，並推出組裝合成建築法製造商認證計劃（MiC-MAS）。他亦是建築科技研究院組裝合成建築法委員會主席，負責帶領組裝合成建築法的發展及推廣工作。

鄺教授現亦擔任香港科技大學副校長（發展）、醫院管理局大會成員及建造業議會建造業創新及科技應用中心主席。

Speech | 演講主題

From Local Adoption to Global Opportunity: BTRi's Vision for Advancing the GBA MiC Ecosystem

由本地應用邁向全球機遇：香港建科院推動大灣區MiC生態圈發展的願景

Modular Integrated Construction (MiC) is a strategic enabler of Hong Kong's construction industry transformation. Since 2018, the Development Bureau has been actively driving the development of MiC in Hong Kong under the Construction 2.0 framework and has achieved remarkable results through synergy with the Guangdong–Hong Kong–Macao Greater Bay Area (GBA). With the rapid growth of the global modular construction market, Hong Kong will continue to strengthen collaboration with the GBA and ensure robust quality assurance and cost-effectiveness to maintain its international competitiveness. The presentation will set out BTRi's strategic vision for advancing the MiC ecosystem in the GBA to support MiC's expansion into global markets. As an organisation established by the Development Bureau, BTRi will align stakeholders in the region and leverage the GBA's capabilities to provide a strategic platform for scaling MiC globally. BTRi aspires to develop Hong Kong into a Centre of Excellence for MiC, harnessing advanced technologies, enhanced standards, robust quality assurance and professional capability to support the GBA to seize global opportunities.

組裝合成建築法（MiC）是推動香港建造業轉型的重要策略。自2018年以來，發展局在「建造業2.0」框架下積極推動香港MiC發展，並透過與粵港澳大灣區的協同合作取得顯著成果。隨着全球模組化建築市場迅速擴展，香港將持續加強與大灣區的聯繫，確保健全的品質保證及成本效益，以維持國際競爭力。本演講將闡述香港建科院（BTRi）推動大灣區MiC生態圈發展以支持MiC拓展全球市場的策略願景。作為發展局成立的機構，香港建科院將凝聚區內各持份者的力量，善用大灣區的能力，為MiC規模化發展提供策略平台。香港建科院將致力讓香港發展成為MiC卓越中心，透過先進技術、完善標準、健全的品質保證及專業能力，支持大灣區把握全球市場機遇。



Keynote Speakers 主題演講嘉賓

Mr Sunny Yeung
Director of Estates
The University of Hong Kong

楊光先生
香港大學物業處
處長

Biography | 個人簡介

Mr Sunny Yeung has acquired extensive and in-depth experience in the practice of architecture, project management, property management, leasing, property sales and marketing, hotel business and construction disputes resolution. His career has spanned Hong Kong, China and Australia.
Before joining the University as Director of Estates, Sunny was in the executive director and C-suite positions for over a decade with various major property developers where he has successfully driven project delivery and business growth.

楊光先生在建築實踐、項目管理、物業管理、租賃、房地產銷售與市場推廣、酒店業務以及建築工程糾紛解決等領域，積累了豐富而深厚的經驗。他的職業足跡遍及香港、中國內地及澳洲。
在加入香港大學出任物業處處長之前，楊先生曾於多家大型房地產開發商擔任執行董事及高級管理層職務逾十年，期間成功推動了各類項目的落實交付，並促進企業業務增長與發展。

Speech | 演講主題

The HKU Story – And Beyond
香港大學的故事：回顧與未來

The presentation will cover the various MiC projects procured by the University of Hong Kong to date. Salient features and interesting aspects of the respective projects will be highlighted, tracing the path of evolution and improvements.

MiC projects in the pipeline will also be presented, followed by sharing of views on the future of MiC applications.



Keynote Speakers 主題演講嘉賓

Ir Tim Hall
Chief Executive Officer
Alma Kaizen Consulting (partnering with LRQA),
United Kingdom

Tim Hall 工程師
英國Alma Kaizen顧問公司
首席執行官（勞氏質量認證合作 夥伴）

Biography | 個人簡介

Tim Hall is a pioneer in construction innovation and brings 40 years of manufacturing heritage to help Transform the Capability of people & organisations in construction & manufacturing. His core capability is in enabling clients to deliver best in class projects: reducing programme and risk, increasing capacity and profitability by streamlining existing processes and enhancing factory performance. Tim has built an international network in, and deep knowledge of, global modular construction innovation. Including projects for the Hong Kong University, Government and private sector by transforming capability of international manufacturers. This has enhanced his expertise in forging collaborative programmes between clients, supply chains and both local and national governments. Tim's primary focus is enabling construction product manufacturers, integrators, asset and infrastructure clients to work together to explore and embrace new ways of thinking and working that, in turn, enable improved supply chain performance, asset performance, and the cost of ownership and occupation. He is a champion of industrial innovation, educating and inspiring Governments, Directors and Investors to embrace change.

Speech | 演講主題

Assuring the Future of Modular Construction: Building on Lloyds Register Quality Assurance over 250 Years
護航模塊建造未來:
依託勞氏質量認證（LRQA）逾250年的品質保障經驗

Some of the world's major breakthroughs in international cooperation have been made when market confidence grows rapidly as a result of rigorous Assurance of critical assets. Lloyds Register of Quality Assurance was there at the outset in the 18th Century with the first recognised engineering Assurance Standard for shipping. International shipping accelerated as a result of greater confidence in the seaworthiness of ships and the reduction in insurance claims. Other boosts to safety and market confidence came through the assurance of ISO shipping containers, Nuclear Energy and more recently cell phone power banks. Today the MiC industry worldwide is poised for rapid growth. In this presentation, Tim Hall discusses how the adoption of MiC and other industrialised construction is likely be held back unless there is an alignment of international Assurance and Technical Standards. Presented by Tim Hall, CEO of Alma Kaizen Consulting, Partnering with LRQA to internationalise Modular Construction Assurance.



Keynote Speakers 主題演講嘉賓

Professor Tan Kang Hai

Professor, Director
School of Civil and Environmental Engineering
Protective Technology Research Centre
Nanyang Technological University, Singapore

Tan Kang Hai 教授

新加坡南洋理工大學土木與環境工程學院 教授
防護技術研究中心 主任

Biography | 個人簡介

Professor Kang Hai TAN is Professor of Structural Engineering and Director of the Protective Technology Research Centre (PTRC) at Nanyang Technological University, Singapore. He received both his bachelor's and PhD degrees from the University of Manchester. He serves as Editor/Board Editor for Cement and Concrete Composites. He joined NTU since Oct 1990 and has published around 340 top tier 1 SCI journal papers with over 95% in Tier 1 journals. He has attracted about 18,500 google citations and an H-index of 73. He is consistently ranked among Stanford University's World's Top 2% Career Scientists. From ScholarGPS website, he is among the top 10 highly ranked scholar – Lifetime All in Structural Engineering. His research encompasses both structural resilience to fire and blast effects, and innovative construction-materials, contributing to development of novel technologies.

He has previously served as Chair in international conferences, including Structures in Fire (SiF), Design and Analysis of Protective Structures (DAPS), PROTECT and ASFE series. He received the Public Administration Medal (Bronze) in 2020, multiple Best Paper Awards from leading international conferences, and Certificate of Highly Cited Research from Engineering Structures. Besides serving as the independent external expert for assessment of competency development in blast engineering for DSTA and HTX, he is Chair of Appeal Advisory Board for Infrastructure Protection Act and he is a technical committee member in the 17th Standards Council term. Currently, he is a Blast Consultant to design of power stations, Terminal 5 and Marina Bay Sand Phase 2 in Singapore.

Speech | 演講主題

Enhancing Progressive Collapse Resistance of Prefabricated Prefinished Volumetric Construction (PPVC) system in Singapore

提升新加坡預製預裝修模塊化建築（PPVC）體系的抗連續倒塌能力

The presentation examines an in-house developed Prefabricated Prefinished Volumetric Construction (PPVC) system for HDB public housing, with the main objectives of supporting detailed structural design, establishing standardised design criteria and connection details, and assessing structural safety and robustness. It outlines the treatment of permanent, live, wind and imperfection loads, together with Eurocode-based load combinations for ultimate and serviceability checks. Three-dimensional ETABS modelling is used to examine the building, modular floor diaphragm action and connecting link bridges. A central focus is ensuring that individual modules function together through peripheral, internal and vertical structural ties, with appropriate continuity and anchorage. Progressive collapse analysis was undertaken to address threat-independent approach. Detailed checks address precast wall joints, column connections and beam-to-beam connections, including their bearing, shear and tensile resistance. Serviceability results cover horizontal displacement, relative movement between slabs and cores, and storey drift. The presentation concludes that the analysed building generally has a high safety factor and that the proposed inter-module connections are suitable. It also proposes refinements to column connections to improve structural integrity, reduce unnecessary reinforcement near the neutral axis and potentially reduce column thickness to increase usable space.

本報告介紹一套由新加坡建屋發展局（HDB）自主研發、應用於公共房屋的預製預裝修體積式建築（Prefabricated Prefinished Volumetric Construction，PPVC）體系。研究旨在支援詳細結構設計、制定標準化設計準則及連接構造細節，並評估結構的安全性及穩健性（robustness）。報告涵蓋永久荷載、可變荷載、風荷載及初始幾何缺陷所產生的等效荷載，並根據歐洲規範（Eurocode）制定極限承載能力狀態（ULS）及正常使用極限狀態（SLS）的荷載組合。研究採用 ETABS 建立三維結構模型，分析建築物的整體結構行為、模組樓板的水平隔板作用，以及連接建築物的連廊結構。研究重點在於透過周邊、內部及豎向結構拉結措施，確保各獨立模組能夠協同受力，並滿足結構連續性及錨固要求。研究亦採用與特定威脅無關（threat-independent）的方法進行漸進式倒塌分析。此外，報告詳細驗算了預製牆板接縫、柱連接及梁與梁之間的連接，包括其承壓、抗剪及抗拉承載力。正常使用性能評估則涵蓋結構水平位移、樓板與核心筒之間的相對位移，以及層間位移。分析結果顯示，所研究的建築物整體上具有較高的結構安全儲備，所提出的模組間連接設計亦具備適用性。報告進一步提出柱連接的優化方案，以提升結構整體性、減少中性軸附近不必要的鋼筋配置，並探討透過減小柱截面厚度增加可用空間的可行性。



Keynote Speakers 主題演講嘉賓

Mr Gabriel Solorzano Torres
Project Leader
National Centre of Excellence for Future of Housing Construction
Executive Director
Commercial, Sustainability and Infrastructure Melbourne Polytechnic, Australia

Gabriel Solorzano Torres 先生
澳大利亞住房建設未來國家卓越中心 主任
墨爾本理工學院商業、可持續發展與基礎設施
執行總監

Biography | 個人簡介

Mr Gabriel Solorzano Torres leads Australia's National Centre of Excellence for Future of Housing Construction and is Executive Director, Commercial, Sustainability and Infrastructure at Melbourne Polytechnic.

He leads the development of the Centre, an Australian Government-supported initiative bringing together industry, government, researchers and the national TAFE network to accelerate the adoption of modern methods of construction and develop the workforce capability needed to support Australia's housing future.

Gabriel has more than 20 years of executive, commercial and advisory experience across Australia and internationally, spanning infrastructure, property, education, sustainability and industry development. At Melbourne Polytechnic, he leads a broad portfolio encompassing infrastructure and major capital investment, sustainability, digital infrastructure, strategic partnerships and commercial activities.

His current work focuses on connecting industry capability, skills, applied research and government policy to help translate emerging construction technologies and manufacturing approaches into practical, scalable delivery.

Speech | 演講主題

Australia's Housing Construction Transformation: Scaling MMC from Innovation to Industry

澳洲住宅建造業的轉型: 推動現代建造工法(MMC)發展, 從創新實踐邁向產業規模化

Australia faces a significant challenge to deliver more housing, more quickly, while improving productivity, sustainability and quality across the construction sector. Modern methods of construction (MMC), including modular, prefabricated and digitally enabled construction, offer considerable potential, but achieving that potential requires more than technology or individual demonstration projects.

This presentation will explore Australia's emerging approach to scaling MMC from innovation to broader industry adoption. It will consider the interaction between housing demand, industry capability, government policy and procurement, workforce skills, applied research and education, and the need for greater integration across the construction ecosystem.

Drawing on the work of Australia's National Centre of Excellence for Future of Housing Construction and its collaboration with industry, government, researchers and the national TAFE network, the presentation will examine how coordinated investment in people, technology and industry capability can support the transition towards more productive, sustainable and scalable models of housing construction.



Keynote Speakers 主題演講嘉賓

Dr Helmut Schnabl
Head
Construction Site Efficiency, Doka, Europe

Helmut Schnabl 博士
歐洲多卡集團
總監（施工現場效率）

Biography | 個人簡介

Dr Helmut Schnabl is Head of Construction Site Efficiency at Doka, where he focuses on the industrialisation of construction-site processes through digitalisation, automation, robotics and AI. Previously, he led Doka's global Digital Solutions business.

Helmut brings more than 20 years of experience across construction, industrial automation and digital transformation. Before joining Doka, he held senior digital leadership positions at Siemens and co-founded SAA Software Engineering, where he worked on software and automation solutions for industrial prefabrication. His current work brings these perspectives together, exploring how industrial production principles and emerging technologies can make construction more productive, predictable and increasingly automation-ready.

Speech | 演講主題

Industrialising the Construction Site of the Future: Modularisation, Construction Site Efficiency and Robotics from a Global Formwork Perspective

面向未來的施工現場工業化: 全球模板工程視角下的模塊化施工、現場施工效率與機器人技術

Construction is entering a new phase of industrialisation. Modular and off-site construction are important parts of this transformation, but industrialisation does not stop at the factory gate. A significant share of construction will continue to take place on site, raising a fundamental question: how can construction sites themselves become more structured, repeatable and increasingly automated production environments?

From the perspective of a global formwork and construction technology provider, this keynote explores industrialisation as the bridge between modular construction and the construction site. The principle is similar: reduce variability, create repeatable processes and interfaces, and design products, workflows and production environments as an integrated system. While selected activities move into controlled off-site production, those remaining on site can increasingly adopt the same industrial principles.

Drawing on industry practice, the presentation examines how process standardisation, constructability, logistics and digital technologies can improve productivity and create the conditions for automation and robotics. Doka's developments in robotics and site logistics, including XBot, DoKart and FormDrive, illustrate how this transition is already taking shape. The keynote proposes a pragmatic path towards hybrid construction systems where off-site modularisation and industrialised on-site production increasingly complement each other.



Keynote Speakers 主題演講嘉賓

Professor Gary Soo

Practising Barrister
Gary Soo's Chambers
Co-Founder
Hong Kong Legal Training Institute (HKLTI), HKSAR, China

蘇國良教授

香港蘇國良大律師辦事處 大律師
香港法律培訓學院 聯合創辦人

Biography | 個人簡介

Professor Gary Soo is a Practising Barrister and Chartered Engineer, as well as an Arbitrator, Senior Adjudicator and Accredited Mediator. He has been practising in areas of civil litigation involving commercial and construction disputes and arbitration for some 20 years. From 2008 to 2010, he took up the position to serve as the Secretary -General of the Hong Kong International Arbitration Centre. Also, he was the President of the Hong Kong Institute of Arbitrators, from the year of 2006 to 2008 & 2010 to 2011. In addition, Prof. Soo is a member of the Committee of the China Nansha International Arbitration Centre and was also the First Chairman of the Guangdong, Hong Kong and Macau Commercial Mediation Alliance. As arbitrator, Prof. Soo has served in more than dozens of international cases through the years involving both ad hoc and institutional arbitrations (including HKIAC, ICC, CIETAC, SCIA, etc.) as party-appointed arbitrator, sole arbitrator or presiding arbitrator.

蘇國良教授是執業大律師及特許工程師，亦是仲裁員、資深審裁員及認可調解員。20 多年來，他一直從事有關國際商業和建築爭議的商事訴訟及仲裁。蘇教授於 2008 年至 2010 年間出任香港國際仲裁中心秘書長一職，亦於2006年至2008年及2010年至2011 年間，出任香港仲裁司學會會長。此外，蘇教授亦是中國南沙國際仲裁中心的前副主席，也是粵港澳商事調解聯盟的首任主席。這些年來，蘇教授參與的本地及國際仲裁案件多達數百宗，他亦以仲裁員身份，在臨時仲裁和機構仲裁的本地及國際案件中，出任當事人指定仲裁員、獨任仲裁員或首席仲裁員，這些包括HKIAC、ICC、CIETAC、SCIA等仲裁機構的國際商事仲裁案件。

Speech | 演講主題

Constructing the Law for Modular Construction Procurement
建構採購模塊建造之法律

Modular Construction (MC) procurement in Hong Kong underscores the need to address potential operational vulnerabilities, notably on-site assembly irregularities, dimensional tolerance discrepancies, or cross-border logistics bottlenecks. From a legal perspective, these interface challenges complicate traditional procurement frameworks, as off-site fabrication, cross-jurisdictional transit, and on-site installation span distinct regulatory regimes and contractual entities. Consequently, realizing integrated MC requires re-engineering conventional risk-allocation models through custom-made procurement law and contractual mechanisms. Such a legal landscape for MC procurement may be constructed by examining relevant legal cases to delineate the legal responsibilities among the parties involved.

香港的模塊化建築（MC建築）採購凸顯了應對潛在營運風險的必要性，特別是在現場裝配異常、尺寸公差偏差或跨境物流瓶頸方面。從法律角度來看，由於工地外預製、跨司法管轄區運輸及現場安裝橫跨不同的監管制度與合約實體，這些介面挑戰使傳統的採購框架變得更為複雜。因此，要實現整合的MC建築，必須透過度身訂造的採購法例及合約機制，重新設計傳統的風險分擔模式。透過探討相關法律案例，釐清各參與方之間的法律責任，可為MC建築採購建構出相應的法律面貌。

Panel Moderator
專題討論主持人



Ir Professor Thomas Ho
Chairman
Construction Industry Council, HKSAR, China

何安誠教授工程師
香港建造業議會
主席

Biography | 個人簡介

Ir Professor Thomas HO is the Chairman of the Construction Industry Council (CIC). The mission of CIC is to CONNECT, LEAD and EXCEL. He possesses over 40 years of experience in construction industry. He has been dedicated to spearheading project management and general management, safety initiatives, sustainable development and innovation excellence in the construction industry. He is recognised by the industry as the figurehead in promoting excellence in construction management, safety leadership, as well as sustainable and quality construction.

After joining CIC, he promoted Mi-Infinity, Integrated Common Data Environments and holistic Robotic Construction, he also insisted Design for Safety, High Productivity and Sustainability in the future of Construction. Liveability and Well-being will be the ultimate game.

In recognition of his advanced mindset in advocating innovative and green construction initiatives, Ir Professor HO received the Outstanding Achievement Award from Hong Kong Institute of Construction Managers in 2018. He was elected as a Fellow of the Hong Kong Academy of Engineering.

何安誠教授工程師現為建造業議會（議會）主席，他帶領議會團結業界，同時引領行業不斷創新以達高效發展，精益求精。何教授工程師從事建造業超過四十年，專注領導項目營運及企業管理，同時關注建築安全、可持續發展，並著力推動科技應用。多年來，他一直積極推廣卓越建造管理，備受業界尊崇的領袖人物，尤其在提升施工安全及邁向碳中和的領域。加入議會後，他大力推廣「組裝合成無極限」及綜合數碼共用平台，亦全力爭取業界落實建築設計安全、高效建築及可持續發展，以打造宜居城市為社會的共同願景。何教授工程師於2018年獲香港營造師學會頒贈「傑出成就大獎」，以表揚他以創見思維積極倡議創新和綠色建築方案，並於2024年獲當選為香港工程院院士。

Panel Moderator
專題討論主持人



Ir Frankie Fung, JP
Principal Assistant Secretary
(Project Capability and Strategy),
Project Strategy and Governance Office
Development Bureau, The Government of
the Hong Kong Special Administrative
Region

馮耀文工程師，太平紳士
香港特區政府發展局項目策略及管控處
首席助理秘書長（項目推展及策略）

Biography | 個人簡介

Ir Frankie FUNG is the Principal Assistant Secretary of the Project Strategy and Governance Office (PSGO) of Development Bureau. He is responsible for overseeing the delivery of capital works projects in Hong Kong and formulating strategic initiatives, such as High Productivity Construction, Green Building, Digitalisation of Public Works, Applied Research and Development, Centre of Excellence for Major Project Leaders, etc., for uplifting productivity, enhancing project delivery capability, fostering sustainable built environment and strengthening project cost governance in a holistic manner, with an aim to improving the overall performance of public works projects. Frankie is a civil engineer by training and possesses over 30 years' experience in overseeing and delivering a wide-range of major projects in various bureaux and departments.

馮耀文工程師現任發展局項目策略及管控處（PSGO）的首席助理秘書長，負責監督香港基本工程項目的交付，並制定多項策略性措施（例如高效建築、綠色建築、工務工程數碼化、應用研發及主要項目精英學院等），以全面提升生產力、加強項目交付能力、促進可持續建築環境以及加強項目成本管控，從而改善工務工程項目的整體表現。馮先生本身為土木工程師，擁有超過30年於不同決策局及部門監察與交付各類大型項目的豐富經驗。

Panel Moderator
專題討論主持人



Ir Professor Sam Chan

Associate Director
Centre for Innovation in Construction and Infrastructure Development,
The University of Hong Kong

陳如森教授工程師

香港大學建造及基建創新研究中心
副總監

Biography | 個人簡介

Professor Sam Chan has over 40 years' experience working with clients, consultants and contractors in Hong Kong and the Mainland since graduation from The University of Hong Kong in 1973. He joined the civil service in May 1992 and was appointed Assistant Secretary in the Works Policy Unit of the then Works Bureau in August 2001 on implementation of the CIRC recommendations relating to alternative procurement approaches, sustainable construction, life cycle costing, partnering, security of project payment, site supervision and project delivery. Professor Chan was responsible for the planning, design and implementation of capital works projects at HyD (2004 to 2011). He served as a volunteer at DEVB and provided professional advice and support to the HKSAR-funded reconstruction projects in Sichuan (2011 to 2012). Professor Chan is the Deputy Chairman of the Construction Dispute Resolution Committee (CDRC) of HKIE and Chairman of its Adjudicator Appointment Sub-committee (2022). He serves as Director and Chairman of the Property Development and Management Committee of the Chinese YMCA of Hong Kong since 2008, overseeing tendering and progress of the Association's development projects. He also served as a member of the Appointment Advisory Board of the HKIAC (2017-2020).

陳如森教授於1973年畢業於香港大學，擁有超過40年在香港及中國內地與業主、顧問及承建商合作的豐富經驗。他於1992年5月加入香港政府，並於2001年8月獲委任為當時工務局工務政策組助理秘書長，負責落實建造業檢討委員會（CIRC）有關另類採購模式、可持續建築、全生命周期成本計算、伙伴合作模式、工程款項支付保障、工地監督及工程項目交付等方面的建議。2004年至2011年間，陳教授於路政署（HyD）負責基本工程項目的規劃、設計及推行。2011年至2012年間，他以義工身份參與發展局（DEVB）的工作，為香港特區政府資助的四川重建項目提供專業意見及支援。陳教授現任香港工程師學會（HKIE）建造爭議解決委員會（CDRC）副主席，並於2022年擔任該委員會轄下審裁員委任小組委員會主席。自2008年起，他亦擔任香港中華基督教青年會董事及物業發展及管理委員會主席，負責監督該會發展項目的招標工作及工程進度。此外，他曾於2017年至2020年間擔任香港國際仲裁中心（HKIAC）委任諮詢委員會委員。

Panel Speaker
專題討論嘉賓



Mr Yuping Liao

Director
Center of Science and Technology and Industrialization Development
Ministry of Housing and Urban-Rural Development, China

廖玉平先生

住房和城鄉建設部科技與產業化發展中心
主任

Biography | 個人簡介

Mr Liao Yuping is the Director-General of the Center of Science and Technology and Industrialization Development under the Ministry of Housing and Urban-Rural Development (MOHURD) of China. He holds a PhD in Management and has extensive experience in construction industry management, construction quality supervision, and construction market regulation. In recent years, he has focused on advancing innovative construction methods, particularly intelligent construction and new building industrialization. He has led initiatives to promote advanced construction technologies, evaluate scientific and technological achievements, and facilitate their industrial application. He has also played a key role in establishing platforms for industry exchange and collaboration, fostering closer integration between technological innovation and industrial development to support the high-quality development of China's housing and construction sector.

廖玉平，住房和城鄉建設部科技與產業化發展中心主任，管理學博士。長期從事建築業管理、工程質量監督及建築市場監管等工作，具備豐富的行業管理經驗。近年專注於推動智能建造、新型建築工業化等建造模式的發展，並牽頭推廣先進建造技術、開展科技成果評估及促進科技成果產業化應用，同時積極推動行業交流平台建設，藉此促進科技創新與產業發展的深度融合，推動住房和城鄉建設事業高質量發展。

Panel Speaker
專題討論嘉賓



Ir Professor Frank Chan Fan, GBS, JP

President
The Hong Kong Institution of Engineers,
HKSAR, China

陳帆教授工程師，金紫荊星章，太平紳士

香港工程師學會
會長

Biography | 個人簡介

Ir Prof Frank CHAN is the President of The Hong Kong Institution of Engineers. He is a Fellow of the Hong Kong Academy of Engineering, an Honorary Fellow of the Institution of Mechanical Engineers, United Kingdom and a Professorate Senior Engineer of the People's Republic of China. He holds a Bachelor of Science in Engineering, a Master of Business Administration from the University of Hong Kong, and a Master of Science in Medical Physics from the University of Aberdeen, United Kingdom. He attended the Advanced Management Programme at the Harvard Business School, Strategic Management of Regulatory and Enforcement Agencies at the Harvard Kennedy School, National Studies at the Tsing Hua University and the Chinese Academy of Governance.

He is currently a Hong Kong Deputy to the National People's Congress, a Vice President of the Greater Bay Area Federation of Engineering Organisation, the Steering Committee Chairman of the Otto Poon Research Institute for Climate-Resilient Infrastructure of the Hong Kong Polytechnic University, an Honorary Professor of the University of Hong Kong, an Honorary Advisor of the Hong Kong Federation of Electrical and Mechanical Contractors and the Hong Kong Civil Servants General Union, as well as an independent non-executive director of the China Resources Land Limited, the China State Construction International Holdings Limited and the Beijing Urban Construction Design & Development Group Company Limited.

He is the former Secretary for Transport and Housing, overseeing policy and strategy, development and implementation of housing, logistics, air services, land and maritime transport.

Biography | 個人簡介

He was the Chairman of the Hong Kong Housing Authority, the Hong Kong Maritime and Port Board, the Hong Kong Logistics Development Council and the Aviation Development and Three-runway System Advisory Committee; and a Board Member of the Airport Authority Hong Kong, the Hong Kong Mortgage Corporation Limited and the MTR Corporation Limited.

Prior to that, he was the Director of Electrical and Mechanical Services, spearheading policy initiatives and law enforcement on energy efficiency and safety of railway, tramway, ropeway, gas, electricity, lift, escalator and nuclear power; and providing professional advice and services.

Ir Prof CHAN is also the Founding Chairman of the Association for Engineering and Medical Volunteer Services, an Honorary Advisor of the Research Centre for Assistive Technology of the Hong Kong Polytechnic University, and an Advisory Committee Member for Innovation and Technology for Aging of the Hong Kong Council of Social Service.

陳帆教授、工程師為香港工程師學會會長。陳教授、工程師是香港工程院院士、英國機械工程師學會榮譽院士及中國教授級高級工程師。他持有香港大學理學士（工程）及工商管理碩士學位，以及英國亞伯丁大學醫學物理學碩士學位，並於哈佛商學院和哈佛甘迺迪學院分別完成高級管理課程及監管和執法機構策略管理課程，並於清華大學及國家行政學院修習國家事務研習課程。

陳教授、工程師現時為全國人民代表大會港區代表、粵港澳大灣區工程師聯合體副理事長、香港理工大學潘樂陶韌性基礎設施研究院督導委員會主席、香港大學榮譽教授、香港機電工程商聯會榮譽顧問、香港公務員總工會榮譽顧問、華潤置地有限公司獨立非執行董事、中國建築國際集團有限公司獨立非執行董事及北京城建設計發展集團股份有限公司獨立非執行董事。

陳教授、工程師曾任香港特區政府運輸及房屋局局長，任內負責房屋、物流、航空、陸運和海運等政策和策略、發展和實施，並擔任香港房屋委員會、香港海運港口局、香港物流發展局及航空發展及機場三跑道系統諮詢委員會主席，以及香港機場管理局、香港按揭證券有限公司及香港鐵路有限公司的董事會成員。

在此之前，陳教授、工程師擔任香港特區政府機電工程署署長，負責鐵路、電車、索道、燃氣、電力、升降機、自動扶梯和核電安全和能源效益等政策措施和執法工作，以及提供專業顧問和工程服務。

陳教授、工程師亦是工程及醫療義務工作協會的創會主席、香港理工大學輔助技術研究中心的名譽顧問、以及香港社會服務聯會長者創新及科技諮詢委員會成員。

Panel Speaker
專題討論嘉賓



Mr Max Chi Chung Wong
Deputy Director (Development & Construction) (Acting)
Housing Department, The Government of the Hong Kong Special Administrative Region

黃至中先生
香港特區政府房屋署
署理副署長（發展及建築）

Biography | 個人簡介

Mr Max WONG is an architect by profession. He has over 30 years of experience in the building industry in both the private and public sectors.

In his substantive position as the Assistant Director (Project) of the Housing Department, Mr WONG leads a project sub-division of multi-disciplinary professional sections for a wide spectrum of tasks on public housing development from inception, planning, design, construction to post-completion stages. He has also been overseeing the construction safety of public housing to promote safety culture at workplaces, as well as the development of information technologies for the department.

黃至中先生為專業建築師，於公營及私營建築業界擁有逾三十年的豐富經驗。

黃先生現領導一個由多個專業界別組成的工務分處，負責推展公營房屋發展項目的各項工作，涵蓋項目由發展構思、規劃、設計、建造，以至竣工後的跟進工作。

此外，黃先生亦負責監督公營房屋建造工程的工地安全，積極推動工作場所的安全文化，並參與統籌及推動房屋署資訊科技的發展工作。

Panel Speaker
專題討論嘉賓



Ar Donald Choi, BBS, JP
Managing Director
Urban Renewal Authority, HKSAR, China

蔡宏興建築師，銅紫荊星章，太平紳士
香港市區重建局
行政總監

Biography | 個人簡介

Ar Donald Choi is a Registered Architect and currently serves as the Deputy Chairman and Managing Director of the Urban Renewal Authority (URA). Prior to leading the URA, he was CEO at Chinachem Group and Managing Director at Nan Fung Group as well as a Director at Foster and Partners. With over 40 years of experience in real estate investment and property development, he has made significant contributions to the field. Ar Choi is a strong advocate for people-centric design, believing that thoughtful architecture can greatly enhance the quality of life for communities. Throughout his illustrious career, he has received numerous prestigious awards, recognizing his leadership and innovation in the industry. In addition to his professional roles, he actively participates in various NGOs and professional organizations, focusing on design, community well-being, and sustainable development. He also serves as an adjunct professor at various universities in Hong Kong.

蔡宏興先生為註冊建築師及認可人士，於2025年6月出任市區重建局行政總監兼副主席。蔡先生在建築、房地產投資及物業發展領域擁有超過40年管理經驗，曾出任華懋集團行政總裁、南豐集團董事總經理及Foster+Partners 董事。他曾獲選為香港國際機場項目的認可人士，並榮獲DHL-SCMP的2021年度傑出管理獎，及Real Estate Asia頒發的2022年度首席執行官獎。

蔡先生多年來擔任過多個非政府組織及專業團體的領導角色，專注於設計、創新、共享價值創造和社區福祉。他現為美國羅德島設計學院(RISD)校董，並在香港大學和香港理工大學擔任客座教授，以及於設計學院擔任實務教授。

Panel Speaker
專題討論嘉賓



Ir Dr Conrad Wong, BBS, JP

President
Hong Kong Modular Integrated Construction Manufacturers Association (HKMiCMA)
Vice Chairman
Yau Lee Holdings Limited, HKSAR, China

黃天祥博士工程師，銅紫荊星章，太平紳士

香港組裝合成建築廠商會 會長
有利集團有限公司 副主席

Biography | 個人簡介

Ir Dr Conrad Wong, Vice Chairman of Yau Lee Holdings Limited, is a professional engineer with over 30 years of experience in building construction. He is a strong advocate for sustainable construction, with expertise in green building technologies, Building Information Modeling (BIM), modular construction innovations, and construction automation. Under his leadership, Hong Kong's first concrete Modular Integrated Construction (MiC) project for government housing was successfully implemented.

Ir Dr Wong is also deeply committed to public service. He currently serves as Chairman of the Council of the Hong Kong Metropolitan University and the Chairman of the New Energy Transport Fund Steering Committee.

In 2024, Ir Dr Wong became the founding president of the Hong Kong Modular Integrated Construction Manufacturers Association (HKMiCMA). He is dedicated to advancing the MiC and MiMEP industries in Hong Kong, driving innovation and the adoption of cutting-edge technologies.

黃天祥博士工程師擁有超過30年建築經驗，現為有利集團有限公司副主席。他熱衷於推動可持續建築，專注於綠色建築技術、建築信息模擬（BIM）、組裝合成建築法（MiC）和創新及建築自動化等領域。在他的領導下，香港首個政府房屋項目的混凝土組裝合成建築順利落成。

黃博士亦積極參與公共及社區服務，現擔任香港都會大學校董會主席和新能源運輸基金督導委員會主席。

2024年，黃博士成為香港組裝合成建築廠商會（HKMiCMA）創會會長，致力推動香港組裝合成建築法（MiC）及機電裝備合成法（MiMEP）行業的發展，並積極推進相關技術的應用與創新。

Panel Speaker
專題討論嘉賓



Dr Yonghai Wang
Chief Engineer
Guangzhou Municipal Housing and
Urban-Rural Development Bureau, China

王永海博士
廣州市住房和城鄉建設局
總工程師

Biography | 個人簡介

Dr Wang Yonghai, PhD, Professor-level Senior Engineer, is Chief Engineer of the Guangzhou Municipal Housing and Urban-Rural Development Bureau. He spearheads policy formulation and industrial development in Guangzhou, in fields such as Modular Integrated Construction (MiC), intelligent construction, industrialized building, high-quality houses and City Information Modeling (CIM). He has led four ministerial and provincial-level research projects, edited or co-authored two industry standards and seven local standards and published four monographs. He was awarded the Second Prize of the National Science and Technology Progress Award and the First Prize of the Huaxia Construction Science and Technology Award.

王永海，博士，正高級工程師，廣州市住房和城鄉建設局總工程師。長期主持廣州模塊化集成建造（MiC）、智能建造與工業化建築、「好房子」建設、城市信息模型（CIM）等領域政策制定和產業發展工作。主持部級、省級科研項目4項，主編及參編行業標準2項、地方標準7項，出版著作4部。曾獲國家科技進步獎二等獎、華夏建設科學技術獎一等獎。

Panel Speaker
專題討論嘉賓



Dr Qin Huang
Director
Construction Technology Promotion Center of Shenzhen Housing and Construction Bureau, China

黃勤博士
深圳市住房和建設局建設科技促進中心
主任

Biography | 個人簡介

Dr Qin Huang holds a doctoral degree. He is currently Director of the Shenzhen Construction Science and Technology Promotion Center.

He obtained his Doctor of Engineering degree in Structural Engineering from Harbin Institute of Technology in 2013. In 2016, he joined the Shenzhen Municipal Bureau of Housing and Construction. He has worked successively in the Housing Safety and Property Management Division and the Construction Waste Management Division. He has presided over research projects including the National Natural Science Foundation of China, China Postdoctoral Science Foundation and Natural Science Foundation of Guangdong Province, and published more than ten academic papers.

黃勤，博士研究生學曆，現任深圳市建設科技促進中心主任。

2013年獲得哈爾濱工業大學結構工程專業博士研究生學位。2016年，入職深圳市住房建設局，先後在房屋安全與物業處、建築廢棄物管理處任職。主持過國家自然科學基金、中國博士後科學基金、廣東省自然科學基金等科研項目，髮表論文十餘篇。

Panel Speaker
專題討論嘉賓



Ar Edward Wong On-wa
Deputy Director
Architectural Services Department,
The Government of the
Hong Kong Special Administrative Region

王安華建築師
香港特區政府建築署
副署長

Biography | 個人簡介

Ar WONG On-wa, Edward is the Deputy Director of Architectural Services overseeing the Department with around 2,000 multi-disciplinary professionals, technical and site supervisory staff for design, construction and maintenance of Government buildings and facilities, and provision of technical advisory services.

Ar WONG is a Registered Architect. He has over 25 years' experience in the building industry after his registration. With 20 years of service in the Government, Mr WONG has held various roles since 2006, including Architect and Project Manager in both Architectural Services Department and the Energizing Kowloon East Office (EKEO) under the Development Bureau (DEVB). His extensive experience encompasses design, contract management, building quality control, consultancy management, and advisory services.

王安華先生現為建築署副署長，領導該署約2,000名不同界別專業人士、技術及工地督導人員，負責政府建築物及設施的設計、建造和維修，以及提供技術諮詢服務。

王先生是一名註冊建築師，於建造業擁有超過25年經驗。自2006年起在政府服務的20年期間，先後於建築署和發展局轄下起動九龍東辦事處擔任不同職位，包括建築師及工程策劃經理。他在設計、合約管理、建造質量控制、顧問管理及諮詢服務方面均具備豐富經驗。

Panel Speaker
專題討論嘉賓



Ir Franco Cheung
Director (Projects)
Hong Kong Housing Society, HKSAR, China

張冠華工程師
香港房屋協會
總監（項目策劃與管理）

Biography | 個人簡介

Ir Franco Cheung is Director (Projects) at Hong Kong Housing Society, spearheading people-centric and ESG-driven initiatives that address Hong Kong's housing challenges. With over 30 years of pan-Asian experience in real estate and construction, he has delivered landmark developments across the region. Since 2019, he has actively championed public housing, fostering innovative, sustainable, and socially responsible delivery methods for the community.

A recognized innovator, Ir Cheung has:

- Pioneered Modular Integrated Construction (MiC)
- Advanced digitalisation through AI and smart systems, prioritising efficiency, safety, and user experience
- Launched Lab+ laboratory to accelerate sustainable R&D and promote ESG innovation
- Led low-carbon transformation with clear targets, green tech adoption, and a commitment to environmental stewardship
- Enhanced worker well-being and stakeholder collaborations through MIC Collaboration centres, supporting inclusivity and social impact.

張工程師為香港房屋協會總監（項目策劃及管理），致力推動以人為本及以ESG為導向的項目，積極回應香港的房屋挑戰。他在亞洲房地產及建造業擁有超過30年經驗，曾於區內多個地標性發展項目中擔當重要角色。自2019年起，他積極策劃公共房屋發展，為社區促進創新、可持續及具社會責任的交付模式，為社區締造長遠價值。

作為備受認可的創新者，張工程師曾：

- 率先推動組裝合成建築法（MiC）
- 透過人工智能及智能系統推進數碼化，優先提升效率、安全及用戶體驗
- 成立Lab+實驗室，加快可持續研發並推動ESG創新
- 以清晰目標、綠色科技應用及對環境管理的承諾，引領低碳轉型
- 透過MiC協作中心提升工人福祉及持份者協作，支持共融及社會影響力

Panel Speaker
專題討論嘉賓



Ir Dr Louis Chu
Associate Director
Estates Office, The University of Hong Kong

朱耀樑博士工程師
香港大學物業處
副處長

Biography | 個人簡介

Ir Dr Louis Chu joined The University of Hong Kong in 2009 and is currently the Associate Director of the Estates Office. He received his Bachelor's degree and PhD from The Hong Kong Polytechnic University. He is a member of the Hong Kong Institution of Engineers and the Hong Kong Institution of Construction Managers. He also serves as a member of the MiC Vetting Sub-Committee on the Construction Innovation and Technology Fund (CITF), and the Technical Committee on MiC of the Building Technology Research Institute (BTRi). With over 28 years of experience in project planning and construction management, Dr. Chu has overseen various construction projects in Hong Kong and Macau, including commercial complexes, residential developments, and mega-scale hotels. He has also led significant projects at the university, such as the re-provision of service reservoirs, the Centennial Campus, Yuet Ming Auditorium, HKUMed Academic Building, and Modular Integrated Construction (MiC) projects. Dr. Chu was awarded the "MiC Project Champion (Outstanding Project Team Members)" in 2022 for his leadership in the HKU Wong Chuk Hang Student Residence site. He is currently managing multiple MiC projects and a new academic building for the Faculty of Medicine.

朱耀樑博士工程師於2009年加入香港大學，現任香港大學物業處副處長。他於香港理工大學取得學士及博士學位，並為香港工程師學會及香港營造師學會會員。他亦擔任建造業創新及科技基金（CITF）「組裝合成」建築法（MiC）審批小組委員會委員，以及建築科技研究院（BTRi）「組裝合成」建築法技術委員會委員。朱博士擁有超過28年的工程項目規劃及建造管理經驗，曾負責香港及澳門多項建築工程，包括商業綜合項目、住宅發展項目及大型酒店項目。他亦曾領導香港大學多項重要建設工程，包括配水庫重置工程、百周年校園、月明劇院、港大醫學院教學大樓，以及多項採用「組裝合成」建築法（MiC）的工程項目。2022年，朱博士憑藉在香港大學黃竹坑學生宿舍項目中的卓越領導表現，獲頒「組裝合成」建築法項目傑出領袖（傑出項目團隊成員）獎項。目前，他正負責管理多項「組裝合成」建築工程及醫學院新教學大樓項目。

Closing Remarks
閉幕致辭



Ir Professor C.K. Mak, GBS, JP

Vice Chairman
Centre for Innovation in Construction and Infrastructure Development,
The University of Hong Kong

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副主席

Biography | 個人簡介

Professor C.K. Mak is an Honorary Professor and an Honorary University Fellow of HKU. Currently, he serves as Vice Chairman of the CICID Management Committee. He also chairs several Project Groups for campus development projects.

Since joining the government in 1973, he took part in and contributed to Hong Kong's infrastructure and railway development. In 2008, he was appointed as Team Leader for the unique assignment to oversee the HKSAR Government funded reconstruction work in Sichuan after the devastating earthquake in May 2008. He worked with the Mainland authorities to devise a HK$9 billion reconstruction program, including schools, hospitals, rehabilitation centers, rebuilding the Wolong Giant Panda Conservation and two highways.

Since 1980's, he has taken up teachings in the universities in Hong Kong. His passion is to build and strengthen the bonds between students, young professionals, and the more experienced seniors through teaching, sharing, mentoring and experiential learning ventures.

麥齊光教授是香港大學的榮譽教授及榮譽大學院士。現任香港大學校園發展與規劃委員會委員，以及多個校園發展項目小組的主席。

他曾是一名公務員，自1973年加入政府以來，曾擔任鐵路拓展處處處長、新界拓展處項目經理、路政署署長及發展局常任秘書長（工務），於2010年退休。在任期間，他積極參與並推動香港的基礎設施和鐵路建設發展。2008年，他被任命為團隊負責人，負責監督香港特區政府在2008年5月汶川大地震後對四川的重建工作。這項特殊任務中，他與內地相關政府部門合作，制定了一項耗資90億港元的重建計劃，並完成了156個項目，包括學校、醫院、康復中心的建設，以及臥龍大熊貓保護區的重建和兩條高速公路。

自1980年起，他開始在香港的大學從事教學工作。他熱衷於通過教學、分享、指導和體驗式學習，增進學生、年輕專業人士與經驗豐富的長輩之間的聯繫。

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