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香港大學
THE UNIVERSITY OF HONG KONG



模塊組合建造實驗室
MiC Laboratory

Government Collaborator



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

MIC WEEK
MODULAR INTEGRATED CONSTRUCTION
「組裝合成」模塊化建築產業發展周

Co-Organisers



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



Building Technology
Research Institute
香港建築科技研究院

International Conference on Modular Integrated Construction



26 June 2025 (Thursday)



Rayson Huang Lecture Theatre
The University of Hong Kong, Pokfulam, Hong Kong



香港大學黃竹坑學生宿舍
WONG CHUK HANG STUDENT RESIDENCE
THE UNIVERSITY OF HONG KONG

高度限制 4.5米 (M) HEIGHT LIMIT

International Conference on Modular Integrated Construction: *New Paradigm*

Overview

Modular Integrated Construction (MiC) is an innovative approach to transforming the construction industry, and has gained popular recognition in the construction and development sectors of Hong Kong, Greater Bay Area (GBA) and beyond in the past few years. The University of Hong Kong (HKU) developed MiC together with the Development Bureau of the HKSAR Government in 2017. Supported by the systematic research of HKU MiCLab, MiC has made significant impacts on policy, society, and industry development. Remarkably, MiC has been highlighted in the Policy Address of Hong Kong for eight consecutive years since 2017. As of 2024, MiC has been adopted for delivering over 100 capital projects covering public housing, transitional housing, private residential, student hostels, staff quarters, schools, and hospitals, etc., to address urgent social needs. Moreover, the modular construction approach has been promoted internationally. This conference provides a timely occasion for local and international experts from government, industry and academia to share MiC breakthroughs and exchange innovative modular construction knowledge and practices.

Highlights

- ✧ To promote MiC internationally and share MiC breakthroughs and innovations
- ✧ To share the latest findings of research on MiC 2.0+ advanced structural engineering, innovative building materials and smart project delivery
- ✧ To share modular construction knowledge and practices from experts internationally
- ✧ To launch the International Association for Modular Construction (IAMC) which aspires to champion modular construction technology breakthroughs and knowledge sharing
- ✧ To demonstrate the state-of-the-art MiC research and monitoring facilities at MiCLab

Technology breakthrough case studies of MiCLab

- Super-tall modular building structural solutions (50 storeys +)
- Disruptive horizontal and vertical connections (minimized site wet trades)
- Sustainable and low-carbon material solutions for MiC (reducing 25% embodied carbon +)
- Large-sized module transportation solutions (12m long module, 22m long vehicle +)
- Heavy module lifting SMART technology and solutions (39t module, 50t overall payload +)
- MiC monitoring and autonomous module lifting crane solutions (collision-free, mm control)



Guest of Honour and Opening Address



Ms Bernadette Linn, JP

*Secretary for Development
Development Bureau
The Government of the Hong Kong Special Administrative Region (HKSAR)*

Special Remarks



Mr Wei Wang

*Level I Bureau Rank Official
Department of Standards and Norms
Ministry of Housing and Urban-
Rural Development of the People's
Republic of China (MOHURD)*

Welcome Remarks



Professor Y.C. Richard Wong, SBS, JP

*Provost and Deputy Vice-
Chancellor
The University of Hong Kong*

Conference Advisors



Ir Ricky Lau, JP

*Permanent Secretary for
Development (Works)
Development Bureau
The Government of the Hong Kong
Special Administrative Region*



Ir Professor Chai-kwong Mak, GBS, JP

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



Ir Chi-keung Hon, GBS, JP

*Chairman
Building Technology Research
Institute, Hong Kong*



Ir Professor Thomas Ho

*Chairman
Construction Industry Council,
Hong Kong*

Conference Organising Committee Chairman



Professor Wei Pan

*Head of Department of Civil Engineering
Director of MiCLab
Executive Director, Centre for Innovation in Construction and Infrastructure Development
The University of Hong Kong*

MoU Representatives



Mr Michael Fong, JP

*Director
Civil Engineering and Development
Department
The Government of the Hong Kong
Special Administrative Region*



Mr Huihui Xie

*Deputy Director - General
Authority of Qianhai
Shenzhen-Hong Kong Modern
Service Industry Cooperation
Zone of Shenzhen Municipality*



模塊組合建造實驗室
MiC Laboratory

Distinguished Speakers



Professor Thomas Bock

*Emeritus Chair Professor of
Building Realization and Robotics
Department of Architecture
Technical University of Munich,
Germany*



Professor Martin Fischer

*Professor of Department of Civil
and Environmental Engineering
Stanford University, US*



Professor Mohamed Al-Hussein

*Professor of Department of
Civil and Environmental
Engineering
University of Alberta, Canada*



Professor Tuan Ngo

*Professor of Electrical,
Mechanical and Infrastructure
Engineering
The University of Melbourne,
Australia*



Professor Chris Goodier

*Professor of Construction
Engineering and Materials
Loughborough University, UK*



Professor Richard Liew

*Head of Department of Civil and
Environmental Engineering
National University of
Singapore, Singapore*



Ms Linfeng Wen

*Party Secretary
Centre of Science and Technology
Industrial Development,
MOHURD*



Mr Edward Wong

*Project Director
Architectural Services Department
The Government of the Hong Kong
Special Administrative Region*



Dr Sherman Yip

*Assistant Director (Development &
Procurement)
Housing Department
The Government of the Hong Kong
Special Administrative Region*



Mr Edmond Lo

*Project Director
Chinachem Group, Hong Kong*



Mr Allan Tan

*Founder & Managing Director
United Tec Construction Pte.
Ltd., Singapore*



Er. Seng Wong

*Managing Director
TW-Asia Consultants Pte Ltd.
Singapore*

Panel Moderators



Ir Professor Thomas Ho

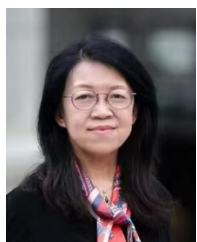
*Chairman
Construction Industry Council,
Hong Kong*



Ir Frankie Fung

*Principal Assistant Secretary
Development Bureau
The Government of the Hong Kong
Special Administrative Region*

Panel Speakers



Ms Linfeng Wen

*Party Secretary
Centre of Science and Technology
Industrial Development
MOHURD*



Mrs Foo-Leoh Chay Hong

*Director
Construction Productivity and
Quality Group
Building and Construction Authority
Singapore*



Ir John Kwong, BBS

*Director
Building Technology Research
Institute
Hong Kong*



Ir Franco Cheung

*Director (Projects)
Hong Kong Housing Society*



Ir Dr Conrad Wong, BBS, JP

*Chairman
Hong Kong Modular Integrated
Construction Manufacturer
Association (HKMiCMA)*



Dr Louis Chu

*Associate Director
Estates Office
The University of Hong Kong*



Mr Baojun Zhao

*General Manager
China State Construction Hailong
Technology Co., Ltd.*



Mr Allan Tan

*Founder & Managing Director
United Tec Construction Pte.
Ltd. Singapore*



Er. Seng Wong

*Managing Director
TW-Asia Consultants Pte Ltd.
Singapore*

Programme Rundown

25 June 2025, Wednesday (By invitation)

16:00 – 17:20	Preparatory Meeting of IAMC
17:20 – 17:50	MiCLab Visit
18:00 – 20:30	Pre-Conference Reception Dinner

26 June 2025, Thursday, CONFERENCE DAY

9:00-12:30 Morning Session

- **WELCOME REMARKS**

Prof Y.C. Richard Wong, SBS, JP, Provost and Deputy Vice-Chancellor, The University of Hong Kong

- **OPENING ADDRESS**

Guest of Honour Ms Bernadette Linn, JP, Secretary for Development, The Government of HKSAR

- **SPECIAL REMARKS**

Mr Wei Wang, Level I Bureau Rank Official, Department of Standards and Norms, MOHURD

- **SPEECH**

MiC Research and Development New Paradigm

Prof Wei Pan, Head of Department of Civil Engineering, Director of MiCLab, HKU

- **MoUs Signing Ceremony & Launch of International Association for Modular Construction**

- **SPEECHES**

Modular Buildings Empowered by Virtual Design and Construction

Prof Martin Fischer, Stanford University, US

Prefabricated Prefinished Volumetric Construction - Engineering Innovations in Singapore

Prof Richard Liew, National University of Singapore, Singapore

Automated Technologies for Modular Construction, from Lab to Commercialization

Prof Mohamed Al-Hussein, University of Alberta, Canada

Modular Construction Empowers the Development of Quality Homes

Ms Linfeng Wen, Party Secretary, Centre of Science and Technology Industrial Development, MOHURD

- **PANEL SESSION – MiC Policy and Strategic Development**

Moderated by Ir Prof Thomas Ho, Chairman, Construction Industry Council

Ms Linfeng Wen, Party Secretary, Centre of Science and Technology Industrial Development, MOHURD

Mrs Foo-Leoh Chay Hong, Director, Construction Productivity and Quality Group, Building and Construction Authority, Singapore

Ir John Kwong, BBS, Director, Building Technology Research Institute

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

26 June 2025, Thursday, CONFERENCE DAY

14:00-17:30 Afternoon Session

■ **SPEECHES**

Modular Construction Research and Development in the UK

Prof Chris Goodier, Loughborough University, UK

Modular Construction Breakthroughs in Australia

Prof Tuan Ngo, The University of Melbourne, Australia

Modular Industrialized Customized Construction by Robotics

Prof Thomas Bock, Emeritus Chair Professor, Technical University of Munich, Germany

MiC for Government Buildings

Mr Edward Wong, Project Director, Architectural Services Department, The Government of HKSAR

MiC for Public Housing Development

Dr Sherman Yip, Assistant Director (Development & Procurement), Housing Department

MiC for Super-Tall Building Development

Mr Edmond Lo, Project Director, Chinachem Group, Hong Kong

Case Study of the Avenue South Residence, World's Tallest PPVC Building

Mr Allan Tan, Founder & Managing Director, United Tec Construction Pte. Ltd., Singapore

Structural Challenges and Design Innovations for Super-tall Concrete Modular Integrated Construction (MiC) Buildings

Er. Seng Wong, Managing Director, TW-Asia Consultants Pte Ltd., Singapore

■ **PANEL SESSION – MiC Technology Breakthrough and Project Delivery**

Moderated by Ir Frankie Fung, Principal Assistant Secretary (Project Capability and Strategy), Development Bureau, The Government of HKSAR

Ir Dr Conrad Wong, BBS, JP, Chairman, HKMiCMA

Dr Louis Chu, Associate Director, Estates Office, HKU

Mr Baojun Zhao, General Manager, China State Construction Hailong Technology Co., Ltd.

Mr Allan Tan, Founder & Managing Director, United Tec Construction Pte. Ltd., Singapore

Er. Seng Wong, Managing Director, TW-Asia Consultants Pte Ltd., Singapore

■ **CLOSING REMARKS**

Ir Prof Chai-kwong Mak, GBS, JP, Vice Chairman, CICID of HKU

Conference Luncheon & Dinner (by invitation)

27 June 2025, Friday (By invitation)

8:30 – 12:30	MiC Site Visits
12:30 – 14:00	Lunch

* The programme is subject to changes.

* Registration link: https://hkuems1.hku.hk/hkuems/ec_hdetail.aspx?guest=Y&ueid=100199

* For more information, please visit <https://www.miclab.hk/micconference2025>