Prefabricated and modular construction refers to the practice of taking construction off-site with the objective of enhancing productivity, precision, optimisation, and automation. Construction automation and robotics have been the driving forces that have guided advancement and innovation in the area. This seminar provides a platform for discourse between some of the brightest minds in prefabricated and modular construction, additive manufacturing, construction automation, and digitalisation, with construction and built environment stakeholders in the Asia-Pacific region. Some of the topics that will be discussed include design considerations and structural assembly in prefabricated and modular construction, concrete 3D printing, automation and digitalisation in construction, and sharing of case examples from selected countries.

Speakers:

Professor Yu Bai  
(Monash University, Australia)  
A few new design considerations for modular construction and structural assembly

Professor Jay Sanjayan  
(Swinburne University of Technology, Australia)  
3D Concrete Printing for Construction Automation

Dr Chua Yie Sue  
(Monash University Malaysia)  
Modular Construction for High-rise Building

Lim Hui Yan  
(Gamuda Engineering Sdn. Bhd.)  
Enhancing Sustainability Through Digital Construction

Er Edwin Ong  
(Surbana Jurong Pte. Ltd., Singapore)  
Evolution of Precast Construction in Singapore

Contact: mum-civ-structures@monash.edu  
(A/Prof Sudharshan Raman)

To register: bit.ly/MUM-struct-2021
or scan the QR code
Complimentary registration

For more information: monash.edu.my/engineering/Structures-2021

Co-Organiser: Supporting Organisations: