



Held in conjunction with:



## BUILT ENVIRONMENT TECHNICAL WEBINAR SERIES

- **DfMA TRACK:** 20 Aug 2021, 2.30pm to 4.30pm
- **IDD TRACK:** 24 Aug 2021, 3.00pm to 5.30pm
- **SUSTAINABILITY TRACK:** 10 Sep 2021, 2.30pm to 4.30pm

Join us at the webinar series to hear from industry experts on insights to implement productive and innovative best practices!

Register for any of these webinars will also entitle you to enjoy additional \$30 discount for the digital IBEW 2021!

**DfMA TRACK**  
**20 Aug 2021**  
2.30pm to 4.30pm

## **HARNESSING DfMA AND POTENTIAL OF ADVANCED MANUFACTURING**

The presentations include sharing on global trends of DfMA, key learning points in the planning and construction of local and international PPVC projects as well as highlighting recent development in 3D Printing.



### **CHALLENGING LIMITS OF DfMA: A PPVC JOURNEY OF AVENUE SOUTH RESIDENCES**

**Mr Allan Tan**  
*Managing Director,  
United Tec  
Construction Pte Ltd*



### **CHANGING THE WAY WE DESIGN AND BUILD WITH 3D-CONCRETE PRINTING**

**Mr Jordy Vos**  
*Team Leader Digital  
Construction,  
Witteveen+Bos  
Singapore*



### **DRIVING INNOVATION THROUGH DfMA**

**Mr Michael Crane**  
*Head of  
Innovation, CIMC  
Modular Building  
Systems UK*

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## IDD TRACK

24 Aug 2021

3.00pm to 5.30pm

# INNOVATION IN DIGITAL DESIGN AND CONSTRUCTION

Participants will gain insights on best practices and innovation in the areas of computational design, data analytics and artificial intelligence (AI) geared towards Industry 4.0, as well as digitalization of construction processes for productivity gains.



### DATA-DRIVEN DESIGN AND BUILD, OPPORTUNITIES AND CHALLENGES

**Mr Tsukasa Ishizawa**  
*Group Leader,  
Computational Design  
Group, Advanced  
Design Department,  
Takenaka Corporation  
Head Office, Japan*



### ELEVATING PRODUCTIVITY THROUGH A DIGITALISED WORKSITE

**Mr Muhammad  
Khalil**  
*Senior Digital  
Delivery Manager,  
Boustead Projects  
E&C*



### PRACTICAL ANALYTICS FOR BUILT ENVIRONMENT

**Dr Edna Chan**  
*Centre Director,  
Data Science  
and Analytics  
Centre, Singapore  
Polytechnic*



### 6D BIM: CARBON NEUTRAL SMART CITIES

**Mr John Tan**  
*Smart Cities Business Development  
Director, SoftwareONE*



### DATA-DRIVEN WORKFLOWS FOR GREATER PROJECT EFFICIENCY

**Mr Jorge Benítez**  
*Managing Partner and Co-founder,  
Enzyme APD, Hong Kong SAR*

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**SUSTAINABILITY  
TRACK**

**10 Sep 2021**

**2.30pm to 4.30pm**

## **SUSTAINABILITY IN PRACTICE: TRENDS AND STRATEGIES TOWARDS SUPER LOW ENERGY BUILDINGS**

This webinar will share sustainability trends and best practices as well as strategies towards achieving optimal energy efficiency for buildings in times of pandemic and beyond.



### **SUSTAINABILITY PRACTICES IN TIMES OF PANDEMIC AND BEYOND**

**Dr Marwa Zaatari**

*ASHRAE Distinguished Lecturer;  
Member, ASHRAE Epidemic  
Task Force Commercial Buildings  
Subcommittee*



### **ADVANCING NEXT-GENERATION GREEN AND ENERGY EFFICIENT BUILDINGS**

**Mr Satinderpal Singh Sandhu**

*Deputy Director, Business  
Development & Sales, SP Digital*



### **STRATEGIES TOWARDS ACHIEVING SUPER LOW ENERGY FOR EXISTING BUILDINGS**

**Ms Lee Zhenyi**

*Director, Sustainability, Integrated  
Green Energy Solutions, Building  
Engineering Solutions,  
C&W Services*



### **COMMITTING TO BUILDING A SUSTAINABLE TOMORROW**

**Ms Priyanka Tanwar**

*Leader, Communications &  
Corporate Responsibility, LIXIL  
Asia; Director on the Board of  
TBC India Association*

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**BUILDING SKILLS & COMPETENCIES**

## Specialist Diploma in Underground Construction

Commencing 2 September 2021

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## Specialist Diploma in Smart Facilities Management

Commencing 6 September 2021

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## Good Industry Practices - Waterproofing for External Wall

Commencing 15 September 2021

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## Good Industry Practices - Aluminium Window

Commencing 22 September 2021

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## ACES RHINO-Grasshopper Essentials

Commencing 17 & 18 August 2021

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