

Talk on International Architecture, Engineering and Construction (AEC) Practices in Building Information Modelling (BIM) – Underground Infrastructure Development

Organised by Tunnelling & Underground Space Technical Division, IEM

BEM Approved CPD/PDP Hours: 2 Ref No: IEM19/HQ/090/T

Date : 13th March 2019, Wednesday
Time : 5.30pm – 7.00pm (Refreshments will be served at 5.00pm)
Venue : Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Dr Julian Lee

SYNOPSIS

Building Information Modelling (BIM) is one of the hottest topics in the global construction industry since the last decade. BIM, as a new digital tool, is changing the building and construction process and provides an effective platform for construction professionals to develop and monitor projects throughout its whole life cycles. Recent infrastructure projects such as Malaysia railway as well as other worldwide projects have demonstrated the successful adoption of BIM in changing the traditional workflow toward both reality modeling and point cloud data in verification of as-built tolerances, asset information modelling and geographical information system (GIS). In this presentation, it will include key contents such as the trends of AEC consultants' practices in BIM globally, not only for building projects but also for infrastructure projects. The necessary factors required to overcome barriers to facilitate BIM application will be discussed with particular attention to workflow, procurement, and contract & legal matters. The highlight of the talk will be on the collaboration between stakeholders in Malaysia and its global partners. Certain cities in some countries have made the adoption of BIM for capital works projects mandatory. This is a clear indication of a firm commitment in the promotion and adoption of BIM technology to improve the processes of design, construction, project management and asset management. Both challenges and future prospects in response to the coming digital transformation for the construction industry among AEC consultants will be discussed.

ANNOUNCEMENT TO NOTE

EFFECTIVE 1st OCTOBER 2017

FEES FOR TALKS

Members

Registration Fee
Free of Charge (FOC)

Administrative Fee

Online - RM15.00
Walk In - RM20.00

Non-Members

Registration Fee - RM50.00
Administrative Fee - RM20.00

Limited seats are available on a "first come first served" basis (maximum 100 participants).

To secure your seat, kindly register online at www.myiem.org.my

PERSONAL DATA PROTECTION ACT

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BIODATA OF SPEAKER



Ir. Dr Julian Lee graduated with BEng (Hon) Civil and Structural Engineering in 1998 and obtained his MSc in 2003 and D.Eng in 2017. He is currently the Chief Executive and Founder of Cinnotek International Group, New Zealand, Malaysia and Singapore. He is serving the Civil Engineering Society as an Adjunct Professor at the Department of Civil Engineering at the University of Hong Kong. Ir. Dr Lee has taken significant roles as Civil, Structural and Geotechnical Engineer on different kinds of construction projects in Hong Kong and worldwide. Ir. Dr Lee is a Chartered Engineer (CEng) and a Member of the Institution of Civil Engineer (MICE), UK and Member of the Hong Kong Institution of Engineers (MHKIE), Hong Kong. Prior to his current position in New Zealand, Ir. Dr Lee was formerly Senior Manager – Research and Development in the Construction Industry Council (CIC), Hong Kong; and Lead Engineer (Civil and Structural) of Worley Parsons

Pte Ltd, Singapore. Since 1998, he has managed various infrastructure projects and building projects in the Asia Pacific region, as well as various construction-related research projects. The projects include structural steel, construction technology, sustainability for green building development, construction health & safety, Building Information Modelling (BIM), construction materials and productivity.

Ir. Khoo Chee Min

Chairman

Tunnelling & Underground Space Technical Division, IEM