

## **Continuing Professional Development (CPD) course: Building Information Modelling (BIM) in practice: Global trends**

**Date: Saturday 28 April 2018**

**Time: 8:30am – 5:30pm**

**Venue: AUT WG308, 2 Governor Fitzroy Place, Auckland, NZ**

**Price: \$500 NZD Professionals**

**\$250 NZD (Under 30s)**

**\$60 NZD (Students)**

**Course code: CPD-002-2018**

### **Course Description**

Building Information Modelling (BIM) is one of the hottest topics in the global construction industry from the last decade. BIM, as a new digital tool, is changing the building and construction process and provide an effective platform for construction professionals to develop and monitor the project throughout the whole life cycle. In this one-day CPD course instructors will share their practical experience in the worldwide and Asia Pacific region.

A recent announcement was made by the Hong Kong Government on the adoption of BIM for capital works projects in Hong Kong. This is a clear indication of a firm commitment to the promotion and adoption of BIM technology to improve the processes of design, construction, project management and asset management. In the course, the instructor will cover: (i) BIM development in HK and South-East Asia from the last decade; (ii) barriers and the way to overcome; (iii) BIM procurement methods and the potential legal implications of adopting BIM.

### **Course Outline**

- Global trends of BIM in building and infrastructure projects
- BIM application in HK & South-East Asia and the way to overcome barriers
- BIM procurement and legal matter

## Course instructors



Dr. Calvin Kam is the Founder and CEO of Strategic Building Innovation | bimSCORE—the "GPS Navigator" for construction innovation. Dr. Kam is an Adjunct Professor at Stanford University's Center for Integrated Facility Engineering (CIFE), where he specializes in Virtual Design and Construction (VDC), Smart City Developments, and Management Scorecards. Calvin is the Senior Program Expert and a Co-founder of the National 3D-4D-BIM Program with GSA Public Buildings Service.

Dr. Kam is an appointed international expert for the Building Construction Authority in Singapore, the Digital Built Britain initiative in the United Kingdom, Shanghai Municipal Government's BIM Center, and the only international Honorary Director of the China National BIM Union and Standards. Calvin is serving on the Research Advisory Committees of the American Institute of Architects; he was AIA's former National Co-Chairman of AIA Center for Integrated Practice and AIA-TAP Knowledge Community.

Dr. Calvin Kam also a Registered Architect, Professional Engineer, and LEED AP in USA with Ph.D. from Stanford University.



Ir Dr. Julian Lee a Principal Civil Engineer at Genesis Energy Ltd, New Zealand. He is serving the Civil Engineering Society as an Adjunct Associate Professor at the Department of Civil Engineering in the University of Hong Kong and also as the Deputy Chief Structural Engineer at the Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch) of Hong Kong Polytechnic University.

Ir Dr. Lee is a Chartered Engineer (CEng) and a Member of Institute 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 of 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 and building projects in the Asia Pacific region, as well as various construction-related research projects. The projects cover construction areas including structural steel, construction technology, sustainability for green building development, construction health & safety, BIM, construction materials and productivity.

**Program**

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<b>8:30am – 9:00am</b>	Registration
<b>9:00am – 10:30am</b>	Global BIM trends
<b>10:30am – 10:45am</b>	Morning tea
<b>10:45am – 12:15pm</b>	BIM projects in the US, China and Singapore
<b>12:15pm – 1:30pm</b>	Lunch
<b>1:30pm – 3:00pm</b>	BIM in Hong Kong & South-East Asia
<b>3:00pm – 3:15pm</b>	Afternoon tea
<b>3:15pm – 5:00pm</b>	BIM procurement and legal matter
<b>5:00pm – 5:30pm</b>	Discussion and distribution of certificates

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