

Co-organisers:



THE UNIVERSITY OF HONG KONG 香港大學  
faculty of architecture 建築學院  
Department of Real Estate and Construction  
房地產及建設系



HKURBANlab

## Digital Infrastructure and Construction Summit 2019

BIM is a game changing way of working which is having a profound effect on the global construction sector. A cooperation involving all countries with similar tools harmonised, processes and rules which is reducing costs and improving efficiency.

2019 is named as the BIM Year by Construction Industry Council (CIC), aiming to enhance awareness and encourage collaboration of industry on BIM adoption. In order to bolster BIM and Smart City development in Hong Kong, British Standards Institution (BSI), the Faculty of Architecture of the University of Hong Kong (HKUFoA) and Professional Construction Strategies Group (PCSG) will jointly hold the Digital Infrastructure and Construction Summit 2019.

In 2017, the HKSAR Government decreed that BIM technology must be used in the design and construction of all major government capital works projects and this has generated a surge in demand for BIM personnel and training needs. To facilitate the healthy development of BIM in Hong Kong, CIC has introduced the BIM Certification and Accreditation Schemes to ascertain the competency of BIM personnel and the quality of local BIM training courses.

Our Industry experts will share their perspectives and expertise at the Summit. We cordially invite you to join this remarkable event. Seats are limited. First-come first-served.

### Event Details

**DATE** : 25 April 2019 (Thursday)  
**TIME** : 14:00 – 17:00 (Reception starts at 13:30)  
**VENUE** : Wang Gungwu Theatre, Graduate House, The University of Hong Kong  
**ADMISSION** : Free  
**MEDIUM** : English

## Supporting Organisations:



香港風險管理與安全協會  
Hong Kong Association of  
Risk Management and Safety



CIB STUDENT CHAPTER  
FACULTY OF ARCHITECTURE  
THE UNIVERSITY OF HONG KONG



International Council  
for Research and Innovation  
in Building and Construction



Society of Construction Law Hong Kong  
香港建築法學會



香港建築師學會  
The Hong Kong Institute of Architects



## PROGRAMME

<b>13:30 – 14:00</b>	<b>Registration</b>
<b>14:00 – 14:20</b>	<b>Welcome Address</b> Mr Michael Lam, Chief Operating Officer, Assurance, BSI APAC
<b>14:20 – 14:35</b>	<b>Memorandum of Understanding Signing Ceremony</b>
<b>14:35 – 14:55</b>	<b>Standards as Enablers for Business, Industry and Government</b> Mr Harold Pradal, Group Commercial Director, BSI Group
<b>14:55 – 15:25</b>	<b>Disruptive Technologies for Smart Living and Digital Construction</b> Ms Ada Fung, Chairperson of Committee on BIM, Construction Industry Council
<b>15:25 – 15:45</b>	<b>Break</b>
<b>15:45 – 16:15</b>	<b>Adding Value Using BIM and Smart City Standards</b> Dr Mark Bew MBE, Chairman of PCSG and Visiting Professor University of Salford
<b>16:15 – 16:45</b>	<b>Smart City Science and Technology</b> Professor Christopher John Webster, Dean (Faculty of Architecture), The University of Hong Kong
<b>16:45 – 17:00</b>	<b>Closing Remarks</b> Ir Dr Llewellyn Tang, Associate Professor in Building Information Modelling (BIM), The University of Hong Kong
<b>17:00 - 17:05</b>	<b>Presentation of Certificate of Appreciation to Speakers</b>
<b>17:05 – 18:00</b>	<b>Cocktail</b>

\* Programme details are subject to change without prior notice

**Online Registration:** <https://page.bsigroup.com/l/73472/2019-02-26/hq8qbr>



BSI is the business standards, non-profit distributing, Royal Chartered company that helps organizations all over the world make excellence a habit. For more than a century we have been challenging mediocrity and complacency to help embed excellence into the way people and products work. That means showing businesses how to improve performance, reduce risk and achieve sustainable growth. As a global leader in helping organizations improve, our clients range from high profile brands to small, local companies in 182 countries worldwide.

ISO 19650 is the international standard for management of information throughout the life cycle of using BIM. ISO 19650 contains the best practices as BIM Level 2 and is adapted to the current standards endorsed globally.

The first two international standards of the ISO 19650 series are published: ISO 19650-1 and ISO 19650-2. Together they are responsible for organizing and digitizing of information of buildings using BIM, in the concept and principles-phase as well as the delivery-phase.

BSI has been at the front foot of BIM, developing a range of BIM standards covering all the key elements from design and information management to facilities management and security. BSI continuously works with the industry to develop and evolve the suite of standards to cover all aspects of a construction project – from design to final decommissioning.



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The University of Hong Kong is Asia's global university – and a global university requires a Faculty of Architecture with an equally broad outlook. Through the HKUrbanLab, the Faculty is conducting interdisciplinary research on some of the world's most pressing urban issues, with the goal of creating cities that are better planned, designed and governed. The lab's base in Hong Kong gives it a unique window into one of the world's cities with the highest density, but its scholarly reach extends around the world, touching on universal topics such as sustainable density, cutting-edge fabrication and material technologies, urban ecologies, human health, culture and more. A global city is one whose perspective extends far beyond its boundaries; a global university does the same.



PCSG is a leading built environment consultancy with bases in the UK and Australia. Since 2000, PCSG has provided an outstanding service and the best-informed advice to organisations in the UK and abroad. Working in close partnership with their clients, they leverage the skills and expertise of their 50 strong-team, and a select handful of high-caliber, complementary partners, to meet and surpass their objectives.

Their chairman, Mark Bew MBE, was integral to the introduction of digital ways of working and processes in UK construction, through his development of the UK Government BIM Strategy. Today, PCSG remains at the forefront of innovation in the sector and bring an unrivalled understanding and depth of knowledge to the companies they support.



## **Mr Harold Pradal**

Group Commercial Director, BSI Group

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Harold is responsible for shaping and delivering BSI's vision, commercial strategy and key initiatives to support business growth across all business streams, sectors and geographies. Harold started his career at GE Healthcare with responsibility for sales and marketing in Europe, Middle East and Africa and later as the Marketing Director for Asia-Pacific. In 2009 he moved to International SOS working in a variety of senior, strategic, operational and leadership roles in the Asia-Pacific region and in 2016 was promoted to Regional General Manager of Asia Pacific. Harold has a Biomedical Engineering Degree from the Université du Droit et de la Santé de Lille and an Master in Business from the ILIS *Faculté d'Ingénierie et Management de la Santé*.



## **Mr Michael Lam**

Chief Operating Officer, Assurance, BSI APAC

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Michael manages APAC businesses that cover full BSI product lines including System Certification, Training, Kite Mark Product Certification and Medical Device CE services.

Michael begun his career in TIC (Testing Inspection and Certification) industry in September 1989, he started as food technologist with SGS Hong Kong Ltd., where he pioneered in developing inspection, training and testing capabilities covering full spectrum of consumer products in China. Over the 13 years of tenure with SGS Group, Michael was appointed for number of leadership positions ranged from Operations Manager, Deputy Director of E- Commerce, and Deputy Director of Electrical/Electronic and Food sectors. Prior to joining BSI in June 2015, Michael worked for Bureau Veritas Group as Vice President, Consumer Products Division for Greater China, he was responsible for Inspection, Audit, Consultancy business lines and Household, Cosmetics, Hygiene and Food sectors.

Apart from working for the TIC industry, Michael worked for a US based sourcing company - ThreeSixty Sourcing Group as Senior Vice President, Asia, for 12 years. Products he sourced ranged from simple household products, sporting goods, to sophisticated electric bikes, digital cameras and complex cosmetics.

Michael is a Food Manufacturing Engineer by education and he holds a MBA degree from Washington University in St. Louis. USA.



## **Ms Ada Y S Fung, BBS, JP, FHKIA**

Chairperson of Committee on BIM, Construction Industry Council

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Ada is an Architect by profession. She is an active member in the Architectural field as well as in the construction industry in Hong Kong and Asia Pacific Region.

She is the President of the Lighthouse Club (HK), Director of the World Green Building Council, Director of the Hong Kong Green Building Council, Director of the Logistics and Supply Chain MultiTech R&D Centre. She serves as Honorary Secretary of the Hong Kong Mediation Accreditation Association Ltd. She is Adjunct Professor of the Department of Civil Engineering of the University of Hong Kong.

She also serves as Advisor to various Associations and Institutions in the fields of Architecture, Engineering, Environment, Construction, Safety, Smart City, Quality, Project Management, BIM, etc. She is the Past President of the Hong Kong Institute of Architects (2013 - 2014), past Chairperson of the APEC Architect Monitoring Committee of Hong Kong (2012/13 - 2015/16), and past Chairperson of the Architects Registration Board (2010/11 - 2011/12). She is Former Deputy Director of Housing until end 2017.

She is Chairperson of the Committee on Building Information Modeling, and Past Chairperson of the Committee on Construction Safety (2016 & 2017) of the Construction Industry Council of Hong Kong.

She has received Lighthouse Club's Golden Helmet Award for Safety Leadership (2012), CIC's BIMer of the Year Award (2014), Bronze Bauhinia Star (BBS) Award in 2016 for meritorious Service, and International Passive & Low Energy Architecture Award (2018).

## **Dr Mark Bew**

MBE PhD PSc (Hons) CEng CITP FICE FRICS MBCS  
Chairman of PCSG and Visiting Professor University of Salford

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Mark is Chairman of PCSG Limited and over the last thirty years has developed a track record of delivering successful innovative process and technology driven business change programmes from within the Engineering and Construction industry. These include the development of Building Information Modelling (BIM) and Smart City standards and the delivery of systems into asset suppliers, owners and operators to improve asset performance and service outcomes.

He chaired the development of the UK Government BIM Strategy which was published in July 2011 as part of the Government Construction Strategy and chaired UK BIM Task Group which delivered the 2011-2016 Level 2 programme. He is a Visiting Professor at the University of Salford.

Mark is a Chartered Engineer with a PhD in the digital prediction of social outcomes through the built environment. He is a Fellow of the Institution of Civil Engineers and of the Royal Institute of Chartered Surveyors and member of the British Computer Society. Mark was previously a Director of Scott Wilson Group and Costain Group plc, he has also held positions with John Laing, Kvaerner Construction and GEC Avionics.

Mark was awarded an MBE in the 2011 list for services to construction.



## **Professor Chris Webster**

BSc/ DipTP/ MSc/ PhD/ DSc(Econ)/ FRICS/ FRSA/ NTF/ AcSS  
Dean, Faculty of Architecture and Chair Professor in Urban Planning and  
Development Economics, HKU

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Prof. Chris Webster has a background in urban planning, computer science, economics and economic geography and is a leading urban theorist and spatial economic modeller. He has published over 150 scholarly papers on the idea of spontaneous urban order and received over 20M USD of grants for research and teaching and learning projects. He was co-editor of the urban modelling journal *Environment and Planning B* for ten years. His books include Webster and Lai (2003) *Property Rights, Planning and Markets*, Cheltenham, Edward Elgar; Glasze, Webster and Frantz, (2006) *Private Cities*, London, Routledge; Wu, Webster, He and Liu, (2010) *Urban Poverty in China*, Cheltenham: Edward Elgar; and Wu and Webster (Editors) *Marginalisation in Urban China*. London: Palgrave MacMillan; and Sarkar, Webster and Gallacher (2014) *Healthy Cities: Public Health Through Urban Planning*. Cheltenham: Edward Elgar.



## **Ir Dr Llewellyn Tang**

BSc(First Class Hons); PGCert; PhD; FHEA; MHKIE; MCIQB; FCInstCES  
Associate Professor in Building Information Modelling (BIM), Department  
of Real Estate and Construction, Faculty of Architecture, The University of  
Hong Kong

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Founding Director of Digital City Infrastructure and Technology Innovation Laboratory (D-CITi Lab), Former Head of Department of Architecture and Built Environment (2012-2017) at the University of Nottingham Ningbo China, Former Lecturer and Postdoctoral Researcher at the University of Reading and Loughborough University respectively, Former Deputy Chairman for the Hong Kong Institution of Engineers (UK Chapter), Former member of Construction Excellence BIM Industry Task Group for the UK Government.

In the last decade, apart from having over 10-year BIM high education experience, Tang led and involved in many mega BIM and information management R&D projects. Tang gave over 100+ keynotes and lectures in the areas of BIM and digital city in China in the last six years. He is also assessor for a number of provincial BIM lab and standards. In early 2018, Tang successfully introduced UK BIM level 2 into China for the most significant property management company – Wanda helping them to tap the most value of this international standard for their digitization journey. Recently, he led a team of BIM scientists the design and application of a strategic framework for the national new smart city (Xiongan New Area) in China based on A.I., BIM, and Blockchain. The research outcome was delivered in TEDx in Shanghai and Smart Expo Chongqing 2018.