IET
The Institution of Engineering and Technology
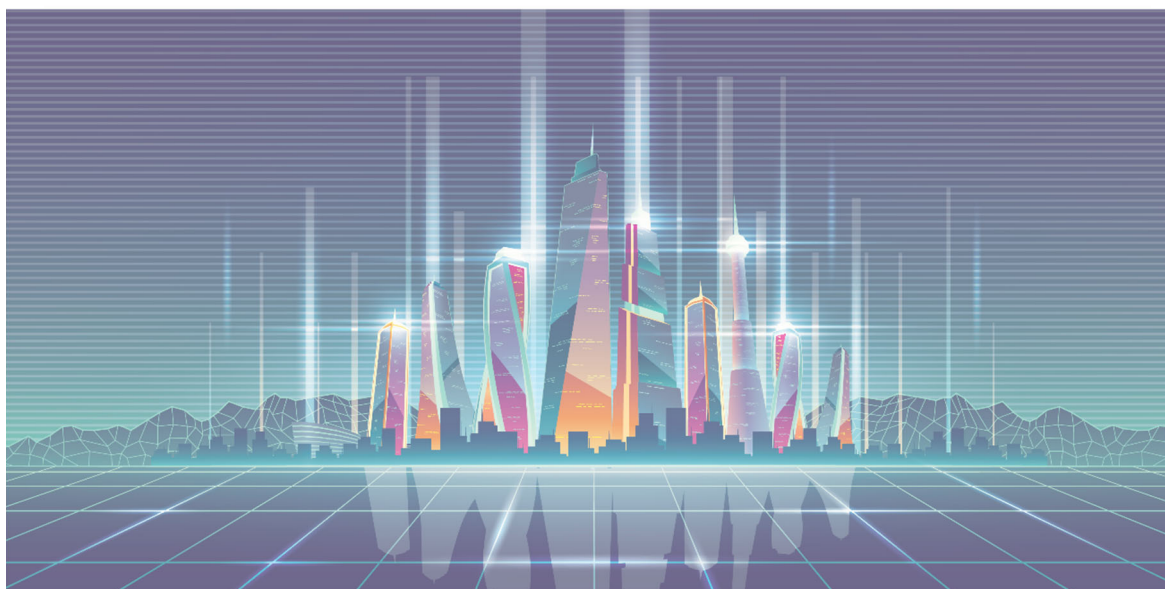
BIM Forum 2023

Unlock the Power of Innovative Solutions for Smart Building Construction

Date : 3 June 2023
Time : 09:30 - 13:30
Venue : Physical and Webinar
Website : bimforum.ictconference.hk

Programme *

Time	Activities	Speakers	Title / Organisation
9:00	Registration		
9:30	Opening Address	Ir. Geddy LEE	Chairman of IET Hong Kong
9:35	Keynote Speech: openBIM, open Opportunities	Ar Prof. Ada FUNG	Former Chairperson of CIC's Committee on BIM
10:00	Speech 1: The Potential of Digital Twin and Related Technologies for Smart Buildings and Construction	Prof. Jack CHENG	Associate Head and Professor in The Hong Kong University of Science and Technology
10:30	Speech 2: Road to the BIM Adoption in the Construction Industry	Ir. KK MAK	Assistant Secretary in Development Bureau
11:00	Break (10 mins)		
11:10	Speech 3: The Future of Design and Make with AI Technology	Ms. Carol POON	Technical Manager, Autodesk Far East Limited
11:40	Speech 4: Smart Site Management Platform	Mr. Andy CHAN	Technical Director of Spatial Technology Limited
12:10	Panel Discussion		
12:40	Closing Remarks and Group Photo	Mr. Heinz YAN	Chairman of BIM Forum, ICT, IET HK

* The organiser reserves the rights to change the speaker(s) and/or the programme contents without prior notice.
# This presentation will be delivered in English/Chinese.

Ar Prof Ada FUNG, BBS, FHKIA, FCIOB

Former Chairperson, Committee on BIM of Construction Industry Council; President of Hong Kong Alliance of Built Asset & Environment Information Management Associations cum Chairperson of Hong Kong Chapter of building SMART International

Ar Prof Ada FUNG is an Architect by profession. She is an active member in the Architectural field as well as in the construction industry. Apart from being Honorary Professor and Distinguished Faculty of Architecture Fellow in the Faculty of Architecture, Ada is also Adjunct Professor of the Department of Civil Engineering, University of Hong Kong.

She is the Former Chairperson of the Committee on Building Information Modeling of the Hong Kong's Construction Industry Council (CIC). Ada is President of Hong Kong Alliance of Built Asset & Environment Information Management Associations cum Chairperson of Hong Kong Chapter of buildingSMART International, driving openBIM to enable full benefits from digital ways of working in the built asset industry, and fostering societal collaboration for smarter information management across built asset and environment.

Ada is Director of Logistics and Supply Chain MultiTech R&D Centre, Member of the HKSAR Advisory Council on the Environment, Member of the HKSAR Green Tech Fund Assessment Committee, Member of the HKSAR Panel of Advisors for Land Sharing Pilot Scheme, Member of Higher Education Advisory Committee of Vocational Training Council. She is the President of the Lighthouse Club (HK), President of Temporary Works Forum (HK), Member of External Advisory Board of CIOB, and Advisor to CIOB(HK), Member of the Advisory Committee of Great Smart Cities Institute, Hong Kong University of Science and Technology.

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), and Past Chairperson of the Committee on Construction Safety (2016 & 2017) of CIC, Former Director of Hong Kong Green Building Council (2014-2019), Former Director and Board Secretary of World Green Building Council (2018-2020).

In her previous career as Deputy Director of Housing until end 2017, Ada has supervised the Development & Construction Division of the Housing Department, overseeing all facets of public housing development work in Hong Kong. Her duties has covered overseeing project management, planning, design and contract management, as well as establishing operational policies on procurement, design, construction, quality, performance assessment, dispute resolution, research and development, safety and the environment. She has also promoted partnering, value management, risk management, ethical integrity, site safety, corporate social responsibility, sustainable development, community engagement, green building and Building Information Modeling and product certification in the industry.

Speech 1: The Potential of Digital Twin and Related Technologies for Smart Buildings and Construction

Dr. Jack CP CHENG

- Chairperson of Com-BIM, CIC and
- Associate Head and Professor in the Department of Civil and
Environmental Engineering, Associate Director of GREAT Smart Cities Institute, and Director of BIM Lab at the Hong Kong University of Science and Technology (HKUST).

Prof. Jack Cheng is currently the Associate Head and Professor in the Department of Civil and Environmental Engineering, Associate Director of GREAT Smart Cities Institute, and Director of BIM Lab at the Hong Kong University of Science and Technology (HKUST). He obtained his PhD degree from Stanford University. Prof. CHENG has been teaching and conducting research related to BIM and digital construction at HKUST for over a decade. His research interests include BIM, digital twin, Internet of Things, artificial intelligence, construction robotics, blockchain, construction and facility management, smart and low carbon buildings, and construction digitalization. He has led a number of research and development projects in smart buildings and construction. He is an author of over 300 international journal and conference publications.

Prof. CHENG is currently the Chairperson of Committee on BIM of the Hong Kong Construction Industry Council (CIC), a Council Member of CIC, a Member of the Construction Safety Committee of CIC, and a Director of the Hong Kong Green Building Council (HKGBC). He is a Past President of the American Society of Civil Engineers Greater China Section and Past Chairman of the Autodesk Industry Advisory Board. Prof. CHENG is a Fellow Member of the Hong Kong Institute of Civil and Building Information Management (HKICBIM), Professional Member of the HKIBIM, CIC Certified BIM Manager (CCBM), CIC Certified BIM Coordinator (CCBC), and Certified Carbon Auditor Professional (CAP). He has received the Construction Industry Outstanding Person Award in 2019 and Young BIMer of the Year in 2014 from CIC, and a few research and paper awards in international conferences.

Speech 2: Road to the BIM Adoption in the Construction Industry

Ir. KK MAK
Assistant Secretary, Development Bureau, The Government of the Hong Kong Special Administrative Region

Ir MAK has worked in the engineering field and served the Government for over twenty years. He is specialised in general electronic systems, road and tunnel traffic systems, hospital engineering, and energy efficiency data, and information technology management. Currently, Ir MAK works in the Development Bureau to promote the adoption of Building Information Modelling (BIM) in capital works projects of the Government.

Ms. Carol POON
Technical Manager, Autodesk Far East Limited

Carol has a decade of experience in the Building Information Modeling (BIM) industry and possesses a wealth of knowledge working with key contractors, architectural firms, and engineering consultants. To promote and support the implementation of BIM, she co-founded the Hong Kong Revit User Group (HKRUG) along with a group of enthusiastic BIM users. The HKRUG offers a variety of workshops and facilitates experience-sharing sessions for a wide range of users.

Autodesk is enabling architects, engineers, and construction professionals to work more collaboratively and efficiently, leading to better outcomes for their clients and the built environment. BIM technology facilitates data-rich and highly detailed models that can be easily shared and updated, while AI technology adds predictive and analytical capabilities, enabling design and construction teams to make smarter decisions. Latest technologies and insights will be shared in this session.

Mr. Andy CHAN
Technical Director of Spatial Technology Limited

Andy Chan is the Technical Director of Spatial Technology Limited and has been employed by HKSAR Government and private organisations in developing BIM and DWSS standards. In the past few years, he has successfully integrated SSSS, DWSS, and BIM into centralised platforms to facilitate smart site management.

Andy held a Bachelor degree in Land Surveying and a Master degree in Information Technology Management. He is also a professional member of the Hong Kong Institute of Building Information Modelling (HKIBIM) and CIC Certified BIM Manager.

The Development Bureau has been promoting Construction 2.0 since 2018. Adopting Innovative Solutions in the construction industry is one of the key strategies to enhance productivity and safety. The massive amount of data generated by the new digital systems (CDE, DWSS, SSSS) should be integrated to support operation planning, management and knowledge discovery. In this presentation, the speaker shall share his past experience in deploying smart site management platforms, as well as the challenges and pitfalls.