

## Organizers:



## Supporting Organizations:



## Joint Symposium on BIM (Building Information Modelling), Energy Efficiency and Effectiveness to Facilities Management

**Date** : 9 Mar 2018 (Friday)

**Time** : 10:00am – 12 noon Technical Tour

2:00pm – 5:35pm Technical Seminar (Registration will start at 1:30pm)

**Venue** : Technical Tour – The Venetian Macao (Gathering Location at West Lobby near Bus Depot)  
Technical Seminar – Studio City Macau (3/F Grand Ball Room)

## Seminar Program:

13:30 – 14:00	<b>Registration</b>
14:00 – 14:10	<b>Welcome Address and Opening Speech</b> <i>Mr. Syed Mubarak, President ASHRAE MACAU Chapter</i>
<b>Session 1</b>	<b>Chaired By</b> <i>Ir Stanley Chow, Chairman CIBSE HKB</i>
14:10 – 14:55	<b>Building a Collaborative Future: Go for BIM</b> <i>Ms. Ada Fung, Former HK Housing Authority Deputy Director, Chairperson BIM Committee of CIC</i>
14:55 – 15:40	<b>BIM to SIM</b> <i>Dr. Dru Crawley, Bentley Fellow &amp; Director, ASHRAE Distinguished Lecturer</i>
15:40 – 16:00	<b>Tea Break</b>
<b>Session 2</b>	<b>Chaired By</b> <i>Ir Calvin PW Fu, Chairman of HKIE Building Services Division</i>
16:00 – 16:45	<b>Sustainable Design Development with BIM Technology</b> <i>Mr. Tony Leung, Business Development Manager Global Virtual Design and Construction Ltd.</i>
16:45 – 17:30	<b>Combined Heat and Power Applications</b> <i>Mr. Benjamin Wan, Project Manager IES Engineering (Macau) Ltd.</i>
17:30 – 17:35	<b>Closing Address</b> <i>Mr. Clement Sio Chi Veng, Council President of The Macau Institution of Engineers</i>

<b>Language:</b>	English
<b>Fee:</b>	Technical Seminar MOP/HKD 150 (Non-member) MOP/HKD 100 (Member of ASHRAE Macao/HKIE/CIBSE HKB/AEM/ASHRAE HK/MPF/China GBE [Macau]) Free of Charge for Full-time Student
	Technical Tour Free of Charge. Number of participants is limited and subject to registration.
<b>Payment:</b>	For members from Hong Kong, payment method will be informed individually.
<b>Remark:</b>	3-Hour CPD certificate for Technical Seminar will be provided and distributed after the Technical Seminar. (Remarks: CPD Application to Macau Government CAEU 建築、工程及城市規劃專業委員會 is in process.)

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## Registration & Enquiry:

This Technical Seminar and visit is needed to register individually in the application. For registration, please register via the website of HKIE(BSD) or <https://goo.gl/forms/TN5moO1b5SXTfvn73>. Successful members for the Technical Seminar and Tour will be notified by e-mail on or before 8 March 2018. For enquiry, please contact Ir Chris LO at 2555-8371 (for registration) or Mr. Dickson Yeung at [info@ashrae-macao.com](mailto:info@ashrae-macao.com) (852) 6399 5643 / (853) 6288 5380 (for seminar and visit information).

## Distinguished Speakers:

**Ms. Ada YS FUNG, BBS, JP, FHKIA** is an Architect by profession. She is an active member in the Architectural field as well as in the construction industry in Hong Kong. In her career as Deputy Director of Housing until end 2017, she has supervised the Development & Construction Division of the Housing Department, overseeing all facets of public housing development work in Hong Kong. Her duties cover 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 also promotes 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.

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 Chairperson of the Committee on Building Information Modeling, and Chairperson of the Committee on Construction Safety of the Construction Industry Council of Hong Kong. She is one of the Directors of the Hong Kong Green Building Council.



**Dr. Dru Crawley** is Bentley Fellow and Director, Building Performance focusing on building performance, BIM, net-zero-energy buildings, and sustainability. Before being elevated to Bentley Fellow in 2014, he led development of Bentley's suite of building performance software for four years. Prior to joining Bentley in 2010, Dr. Crawley developed and managed EnergyPlus and the USDOE's Commercial Buildings Initiative (now Better Buildings Initiative and Alliances) promoting creation of net-zero-energy buildings.

With more than 35 years of experience in buildings energy efficiency, renewable energy, and sustainability, he has worked in engineering software development, government research and standards development organizations, as well as building design and consulting companies. He received his PhD in Mechanical Engineering from University of Strathclyde in Glasgow, Scotland on the topic of building simulation as a policy tool, a Bachelor of Architecture from University of Tennessee and is a registered architect.

**Mr. Leung** holds an EMBA from Chinese University of Hong Kong and Bachelor degree in Engineering from University of Toronto. Mr. Leung has over 20 years experiences in Construction IT, Engineering and Education covering innovation, strategic planning, business development, BIM best practices and Smart City development in Hong Kong, Macau, China, Singapore, and Malaysia, including government, public and private Development projects.



**Mr. Wan** has been in the Macau Engineering and Maintenance Industry for more than 7 years. His expertise is in the field of Boilers, Heating Systems, HVAC, and Sustainable Technologies. He managed numerous Optimization, Energy Saving, and HVAC projects in large scale constructions in Macau, S.A.R. China. Mr. Wan has a degree in Civil Aviation Machinery Engineering from Beihang University, School of Jet Propulsion, and Masters in Electromechanical Engineering from the University of Macau. He received an Outstanding Paper Award from The HKIE CAD 2016/2017 Annual Symposium for Strategy of Applying Knowledge Management to Safety of Boiler Operation and Maintenance Engineering Industry. He is an active member of AEM and has been endorsing energy saving systems thru seminars and talks.

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