

# JOINT SYMPOSIUM 2019



26 FEBRUARY 2020 KOWLOON  
SHANGRI-LA HONG KONG

# Innovations in Smart Performance Buildings in Hong Kong & Greater Bay Area

## CONFERENCE THEMES

This symposium is an annual event intended to bring together international and local speakers to foster all aspects of advances in building design and building services engineering. Sub-themes of the symposium include:

INNOVATIONS IN GREEN BUILDING DESIGN

BUILDING SERVICES ENGINEERING – THE WAY FORWARD

DIGITALIZATION AND OPTIMIZATION IN DESIGN AND CONSTRUCTION

TECHNOLOGIES FOR ENHANCING USER EXPERIENCE

## WHO SHOULD ATTEND

Engineers, architects, designers, researchers, academics, property developers, professionals and practitioners involved in the wide range of disciplines associated with building design and building services engineering. Official language of the Symposium is English.

## FEES (PER PERSON)

Full package \*

EARLY BIRD (on or before 31 <sup>st</sup> Jan 2020)	STANDARD (after 31 <sup>st</sup> Jan 2020)
HK\$ 1,600 (USD 205)	HK\$ 1,700 (USD 216)

\* Fee includes proceedings, coffee breaks and lunch

Full time students #

EARLY BIRD (on or before 31 <sup>st</sup> Jan 2020)	STANDARD (after 31 <sup>st</sup> Jan 2020)
HK\$ 200 (USD 26)	HK\$ 200 (USD 26)

# Student package includes proceedings and coffee breaks only

## REGISTRATION

Please register online via: [www.hkjs.com.hk](http://www.hkjs.com.hk) and make the cheque payable to “ASHRAE Hong Kong Chapter” and send it to “P.O. Box 35612, King’s Road Post Office, North Point, Hong Kong” (Attn: Mr. Joe Chow).

At the back of the cheque, please kindly state “**JS2019, Name of your organization**, Contact person and Contact tel. number”.

No refund may be made but substitute delegate is allowed.

Receipt will be issued to the contact person when cheque is received. Enquiry email: [hkjs20th2019@gmail.com](mailto:hkjs20th2019@gmail.com).

For details, please visit our website:  
[www.hkjs.com.hk](http://www.hkjs.com.hk)



ORGANIZING  
INSTITUTIONS



# Innovations for Smart Performance Buildings in Hong Kong & Greater Bay Area

## PROGRAMME

**09:00 - 09:05 WELCOME ADDRESS**

**Mr Walter Au**

*Chairman (Joint Symposium Organizing Committee), CIBSE Hong Kong Branch*

**09:05 - 09:15 OPENING ADDRESS**

**Ir S H Lam**

*Permanent Secretary for Development (Works), HKSAR*

**09:15 - 09:35 KEYNOTE SPEECH**

**Mr Stuart MacPherson**

*President-Elect, CIBSE UK*

### SESSION 1 – INNOVATIONS IN GREEN BUILDING DESIGN

**CHAired BY: HONG KONG POLYTECHNIC UNIVERSITY**

*(Prof. Asif Sobail Usmani, Head of Building Services Engineering Department)*

09:40 - 10:10 Innovative Approach for Building Services Installations in West Kowloon Government Offices

Speaker: **Ir Iris Lau** (*Architectural Services Department, The Government of the HKSAR*)

Author: **Ir K.F. Ho, Ir Andrew Fung, Ir Iris Lau and Ir Ida Wang** (*Architectural Services Department, The Government of the HKSAR*)

10:10 - 10:40 Sustainnovation in NKIL6556 - Next Generation of Sustainable Building Design

Speaker: **Ms Christy Chow** (*Ove Arup & Partners Hong Kong Limited*)

Author: **Ir Alvin Lo, Ms Christy Chow & Ms Melody Wong** (*Ove Arup and Partners Hong Kong Ltd*) and **Mr Gary Leung & Ms Peggy Tang** (*Nan Fung Development Co Ltd*)

10:40 - 10:55 Questions for Session 1

10:55 - 11:10 Coffee break

### SESSION 2 – BUILDING SERVICES ENGINEERING – THE WAY FORWARD

**CHAired BY: CIBSE HK BRANCH (Dr K L Chan, Chair)**

11:10 - 11:55 Forum: Building Services Engineering – The Way Forwards

Speakers: **Ir Victor Cheung** (*CIBSE HK Branch*), **Ir Antonio Chan** (*HKIE BS Division*), **Ir Vincent Tse** (*ASHRAE HKC*), **Prof. Asif Usmani** (*Department of Building Services Engineering, Hong Kong Polytechnic University*) and **Guest Speakers from the Industry**

11:55 - 12:10 Questions for Session 2

12:15 - 13:25 Lunch & Luncheon Speech:

**Dr K L Chan, Chair, CIBSE Hong Kong Branch**

**13:25 - 13:45 KEYNOTE SPEECH:**

**Prof. William P. Bahnfleth**

*Past President, ASHRAE*

### SESSION 3 – DIGITALIZATION AND OPTIMIZATION IN DESIGN AND CONSTRUCTION

**CHAired BY: ASHRAE HKC (Mr Jacky Ng, President)**

13:45 - 14:15 SureFire: Smart Urban Resilience and Firefighting

Speaker: **Dr Xinyan Huang** (*Department of Building Services Engineering, Hong Kong Polytechnic University*)

Authors: **Prof. Asif Usmani, Dr Fu Xiao, Dr Xinyan Huang, Dr Qixin Wang, Prof. Heng Li, Prof. Wenzhong Shi, Prof. George Huang, Prof. Jose Torero, Prof. Lu Xinzheng, Dr Welch Stephen** (*Department of Building Services Engineering, Hong Kong Polytechnic University*)

14:15 - 14:45 Advanced Monitoring-based Commissioning in HVAC systems using Big Data Analytics

Speaker: **Dr Pan Lee** (*ATAL Building Services Engineering Ltd*)

Authors: **Dr Pan Lee, Ir Dave Chan and Mr Kenneth Lee** (*ATAL Building Services Engineering Ltd*)

14:45 - 15:00 Questions for Session 3

15:00 - 15:15 Coffee break

### SESSION 4 – TECHNOLOGIES FOR ENHANCING USER EXPERIENCE

**CHAired BY: HKIE BS DIVISION (Ir Dr Anthony Lo, Chairman)**

15:15- 15:45 Innovation in Optimizing Performance in Metro Stations

Speaker: **Ms Anne H.E. Beh** (*The Jardine Engineering Corporation Limited*)

Authors: **Ms Anne H.E. Beh** (*The Jardine Engineering Corporation Limited*), **Mr Brian W.N. Yip** (*Trane Service Hong Kong*), **Mr Steven K.H. Lai** (*WSP (Asia) Limited*) and **Mr William Y.M. Xie** (*WSP Consultancy Pte Limited*)

15:45- 16:15 Retro-commissioning of building services installation

Speaker: **Ir Victor Leung** (*Victor Leung & Associates Limited*)

Author: **Ir Victor Leung** (*Victor Leung & Associates Limited*)

16:15- 16:45 Evaluation of Degrading of Chiller Performance in Existing Buildings by Big Data Analytic Approach

Speaker: **Ir C.Y. Cheng** (*CLP Power Hong Kong Limited*)

Authors: **Ir Dr Anthony Lo, Ir C.Y. Cheng & Mr K.K. Li** (*CLP Power Hong Kong Limited*) and **Dr Paul Sat** (*Hong Kong Green Building Council*)

16:45 - 17:00 Questions for Session 4

17:00 - 17:05 Closing Speech:

**Ir Dr Anthony Lo, Chairman, HKIE BS Division**