

JOINT SYMPOSIUM 2021

New Generation and Technology Application for

Future Engineering Challenge

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:

CODES & GUIDANCE

DESIGN & RESEARCH

OPERATION & APPLICATION

WHO SHOULD ATTEND

MAINTENANCE & PERFORMANCE

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)

Standard

HK\$ 600 (USD 76)

Full time students

HK\$ 100 (USD 12)

REGISTRATION

Please register online via: <https://forms.gle/WWVWgeWw1fTLJ58F9>

- Please make the Cheque payable to “The Chartered Institution of Building Services Engineers Hong Kong Limited”.
- Send the Cheque to – “Room 21, 11/F, China United Plaza, 1008 Tai Nan West Street, Kowloon, Hong Kong (Attn: Mr. Chris Kwan)”.
- At the back of the Cheque, please kindly state “**JS2021 Registration**, Your Name and Contact 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: hkjs2021hk@gmail.com.

Successful registrant will be notified and provided with a link to attend the online symposium which will be held on 17 November 2021.

For details, please visit our website:
www.hkjs.com.hk



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PROGRAMME

14:00 - 14:05 WELCOME ADDRESS

Ir Raymond Tam
Chairman, HKIE BSD

14:05 - 14:15 OPENING ADDRESS

Mr Alfred Sit, JP
Secretary for Innovation and Technology, HKSAR

14:15 - 14:30 KEYNOTE SPEECH

Mr. Kevin Mitchell
President-Elect, CIBSE UK

16:10 - 16:25 KEYNOTE SPEECH

Mr. Mick Schwedler
President, ASHRAE

SESSION 1 – CODES AND GUIDANCE

CHAIRIED BY: HONG KONG POLYTECHNIC UNIVERSITY

(Prof. Asif Sohail Usmani, Head of Building Environment and Energy Engineering Department)

14:30 - 14:50 The Challenges and Development of District Cooling System (DCS) in Hong Kong

14:50 - 15:10 How fast can a hospital be built in HK?

SESSION 2 – DESIGN AND RESEARCH

15:10 - 15:30 Development of Next-generation Technologies for Future Smart and Energy-flexible Buildings in The Era of IoT and Interactive Electricity Markets

15:30 - 15:50 Assessment of ozone micro-nano bubble technology for fresh water cooling towers in HVAC systems

15:50 - 16:00 Questions for Session 1 & 2

16:00 - 16:10 Break

SESSION 3 – OPERATION AND APPLICATION

CHAIRIED BY: CIBSE HKR (Mr. Vincent Ma, Chair)

16:25 - 16:45 MultiTrade integrated Mechanical, Electrical and Plumbing (MiMEP) - A New Horizon of Building Services Installation in Government Buildings

16:45 - 17:05 Application of BIM Technology for Optimizing System Designs of a Commercial Building for Promoting Energy Efficiency – A Case Sharing

SESSION 4 – MAINTENANCE AND PERFORMANCE

17:05 - 17:25 Whole Life-cycle Carbon Tracking (WLCT) system for Decarbonization

17:25 - 17:45 Diving into the Details for Energy Performance – from ML-based Data Processing to Physics-guided ML Modelling

17:45 - 17:55 Questions for Session 3 & 4

17:55 - 18:00 Closing Speech:

Mr. Patrick Huang, President, ASHRAE HKC