

Joint Symposium 2024 19 November 2024

INNOVATING AND REVITALIZING PRODUCTIVITY IN BUILDING SERVICES WITH **3S**

Solutions towards Carbon Neutrality

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.

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.

REGISTRATION FEES (PER PERSON)

| Full package* | | Full-time students [#] |
|---|--|---------------------------------|
| EARLY BIRD (on or before 5 th Nov., 2024) | STANDARD (after 5 th Nov., 2024) | STANDARD |
| HK\$ 1,700 | HK\$ 1,800 | HK\$ 450 |

* Fee includes proceedings, coffee breaks and lunch

[#] Student package includes proceedings and coffee breaks only

REGISTRATION

Please register online via:
<https://forms.gle/r2VE4sPPFLZmVnoA8>

Please make the Cheque payable to “The Chartered Institution of Building Services Engineers HK Ltd.”

Send the Cheque to below address:
The Chartered Institution of Building Services Engineers HK Ltd.
Room 21, 11/F, China United Plaza,
1008 Tai Nan West Street, Kowloon, Hong Kong
Attn: Mr. Angus WONG (CIBSE)

At the back of the Cheque, please kindly state
“**JS2024, 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: 2024hkjs@gmail.com.



ORGANIZING
INSTITUTIONS

HKIE THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會
Building Services Division
楼宇設備分部

ASHRAE Hong Kong
Chapter

CIBSE 45
Hong Kong

Department of Building Environment & Energy Engineering
The Hong Kong Polytechnic University

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INNOVATING AND REVITALIZING PRODUCTIVITY IN BUILDING SERVICES WITH **3S** *Solutions towards Carbon Neutrality*



PROGRAMME

09:00 - 09:05 WELCOME ADDRESS

Ir Marsden KONG

Chairman (Joint Symposium Organizing Committee), HKIE – Building Services Division

09:05 - 09:20 OPENING ADDRESS

Ms. Winnie HO

Secretary for Housing, The Government of the HKSAR

19 November 2024 (Tuesday) • 9:00 am to 5:00 pm • Kowloon Shangri-La Hotel

09:20 - 09:30 KEYNOTE SPEECH

Mr. Vince Arnold

President-Elect, CIBSE UK

LUNCH SPEECH

Ms. Ruth Carter

Chief Executive Officer, CIBSE UK

SESSION 1 – CODES, GUIDANCE AND POLICY

CHAired BY: HKIE BS DIVISION

(Ir Jimmy LI, Chairman)

- 09:30 - 9:50 Carbon Neutrality Strategies for Hong Kong's Building Service Sector - Analyzing effective strategies and policies for reducing carbon emissions in Hong Kong's buildings by **Mr. Sin Ka Ki, Victor**
- 09:50 - 10:10 Development of design guidelines for daylight-linked lighting control system based on machine learning by **Hong Kong Metropolitan University**
- 10:10 - 10:20 Questions for Session 1
- 10:20 - 10:25 Appreciation Certification to Speakers
- 10:25 - 10:55 Coffee Break

SESSION 2 – DESIGN AND RESEARCH

CHAired BY: HONG KONG POLYTECHNIC UNIVERSITY

(Prof. Asif Sohail Usmani, Head of Department of BEEE)

- 10:55 - 11:15 Application of "Big Data" analysis in Data Center – how big data helps to improve data center operation, energy efficiency and safety by **EQUINIX**
- 11:15 - 11:35 Data Quality Assessment for Building Carbon Performance Analysis by **ARUP**
- 11:35 - 11:55 Application of Nanofibrous air filtration to improve IAQ and save energy by **Nanofil Filtration Technology Limited**
- 11:55 - 12:05 Questions for Session 2
- 12:05 - 12:10 Appreciation Certification to Speakers
- 12:10 - 13:40 Lunch

SESSION 3 – OPERATION AND APPLICATION

CHAired BY: CIBSE HK REGION

(Mr. Hyvan WONG, Chair)

- 13:40 - 14:00 Thermally-broken windows contribute to carbon neutrality by **Warmframe Technology**
- 14:00 - 14:20 An Innovative, Scientific and Practical Approach to Predict the Remaining Service Lives of HVAC and Other Water Pipes (First of its kind in Hong Kong's Application with Life Cycle Cost Savings) by **ISPL Consulting Limited**
- 14:20 - 14:40 Delving into District Cooling System with Quantity, Speed, Efficiency and Quality by **Electrical & Mechanical Services Department, HKSAR Government**
- 14:40 - 14:50 Questions for Session 3
- 14:50 - 14:55 Appreciation Certification to Speakers
- 14:55 - 15:25 Coffee Break

SESSION 4 – SMART, SAFETY AND SUSTAINABILITY

CHAired BY: ASHRAE HK CHAPTER

(Mr. Taylor CHOW, President)

- 15:25 - 15:45 Journey of a Building Service Contractor Towards Productivity by **SOUTH A**
- 15:45 - 16:05 Decarbonisation Evaluation of Green Building Design by **The University of Hong Kong**
- 16:05 - 16:25 Energy-as-a-Service (EaaS) towards Carbon Neutrality in Hong Kong and Mainland China by **CLPe**
- 16:25 - 16:35 Questions for Session 4
- 16:35 - 16:40 Appreciation Certification to Speakers
- 16:40 - 16:50 Closing Speech
- Mr. Taylor CHOW, President, ASHRAE Hong Kong Chapter**