

Joint Symposium 2023 22 November 2023

SHAPING the FUTURE:

Trends and Insights for Tomorrow Technologies
Development in 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.

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 <i>(on or before 8th Nov., 2023)</i>	STANDARD <i>(after 8th Nov., 2023)</i>	STANDARD
HK\$ 1,700	HK\$ 1,800	HK\$ 400

* Fee includes proceedings, coffee breaks and lunch

Student package includes proceedings and coffee breaks only

REGISTRATION

Please register online via:
<https://forms.gle/nk7kitNJ3t4w9q6C7>

Please make the Cheque payable to "ASHRAE Hong Kong Chapter".

Send the Cheque to below address:
Swire Properties Limited
18/F, One Island East, Taikoo Place,
18 Westlands Road, Quarry Bay, Hong Kong
Attn: Mr. Barry Lau (ASHRAE)

At the back of the Cheque, please kindly state
"JS2023, 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: 2023hkjs@gmail.com.

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



ORGANIZING
INSTITUTIONS



CIBSE
Hong Kong

HKIE THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會
Building Services Division
樓宇服務分部

ASHRAE
Hong Kong Chapter

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

SHAPING the FUTURE:

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PROGRAMME

09:00 - 09:05 WELCOME ADDRESS

Mr. Michael SUNG

Chairman, Hong Kong Joint Symposium 2023 Organizing Committee

09:05 - 09:20 OPENING ADDRESS

Ms. Ruth Carter

CIBSE, Chief Executive Officer

22 November 2023 (Wednesday) • 9:00 am to 6:00 pm • Kowloon Shangri-La, Hong Kong

09:20 - 09:30 KEYNOTE SPEECH BY CIBSE

Ms. Fiona Cousins

CIBSE President Elect

SESSION 1 – CODES AND GUIDANCE

CHAired BY: CIBSE HONG KONG REGION

(Mr. Gary CHIANG, Chair)

09:30 - 09:55 Strategies for Net Zero Hospital, by **ASHRAE Society**

09:55 - 10:20 Multi-trade Integrated MEP (MIMEP) Growing Forward,
by **Gammon E&M Limited**

10:20 - 10:35 Questions for Session 1

10:35 - 10:40 Appreciation Certification to Speakers

10:40 - 11:05 Coffee Break

SESSION 2 – DESIGN AND RESEARCH

CHAired BY: THE HONG KONG POLYTECHNIC UNIVERSITY

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

11:05 - 11:30 How AI can Help to Achieve Net Zero, by **BuroHappold Engineering**

11:30 - 11:55 Integrated Atomistic Simulations: Advancing Fire Safety and Toxicity Evaluation in Building Materials, by **Department of Architecture and Civil Engineering, City University of Hong Kong, University of New South Wales & The Hong Kong Polytechnic University**

11:55 - 12:20 Future Fire-safe Façade Glass System with Active Ventilation, by **Department of Building Environment and Energy Engineering, The Hong Kong Polytechnic University**

12:20 - 12:35 Questions for Session 2

12:35 - 12:40 Appreciation Certification to Speakers

12:40 - 13:55 Lunch

14:00 - 14:10 KEYNOTE SPEECH BY ASHRAE

Mr. Francis MILLS

ASHRAE Society Distinguish Lecturer

SESSION 3 – OPERATION AND APPLICATION

CHAired BY: ASHRAE HONG KONG CHAPTER

(Mr. Peter LAM, President)

14:10 - 14:35 Demystifying District Cooling Systems in Hong Kong, by **Electrical & Mechanical Services Department, HKSAR Government**

14:35 - 15:00 Optimal Ventilation Strategy for Hospital Inpatient Wards, by **Department of Building Environment and Energy Engineering, The Hong Kong Polytechnic University**

15:00 - 15:25 Autonomous Vehicle Energy Saving Programme, by **Power Electronics Research Center, Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University**

15:25 - 15:40 Questions for Session 3

15:40 - 15:45 Appreciation Certification to Speakers

15:45 - 16:10 Coffee Break

SESSION 4 – MAINTENANCE AND PERFORMANCE

CHAired BY: HKIE-BUILDING SERVICES DIVISION

(Ir Keith YUE, Chairman)

16:10 - 16:35 The Rational Use of Cooling Towers to Improve the Overall Performance of the Chiller COP, by **Mesanct**

16:35 - 17:00 Water Treatment Energy Saving Technology – Technology Introduction, by **Prefectech Frigaid Company Limited**

17:00 - 17:15 Questions for Session 4

17:15 - 17:20 Appreciation Certification to Speakers

17:20 - 17:30 Closing Speech

Ir Keith YUE, Chairman, HKIE-Building Services Division

