



# Technical Conference 2024



## DECARBONIZATION CHALLENGE FOR THE BUILT ENVIRONMENT

 Crowne Plaza Hong Kong Kowloon East, No. 3 Tong Tak Street, Tseung Kwan O, Hong Kong

 **12 April 2024 (Fri)**  
9:00 AM - 5:00 PM

### MAIN THEME

Decarbonization strategies, progress and next-generation retro-commissioning.

### Targeted Participants

Professionals and practitioners on design, contracting, operations and facility management, academia and policy makers.

### Official Language of the Conference

English

Fee	Early Bird*	Standard*	Full-time Student#
<b>Member of ASHRAE HK Chapter, Supporting Organization</b>	<b>HK\$1,300</b>	<b>HK\$1,500</b>	<b>HK\$ 400</b>
<b>Non-Member</b>	<b>HK\$1,500</b>	<b>HK\$1,700</b>	

Remark:

\* Fee includes proceedings, tea breaks and lunch

# Student package includes proceedings and tea breaks only

- 1) Application will only be confirmed with payment, on a first-come-first-served basis.
- 2) No refundable but substitute delegate is allowed.
- 3) An official e-receipt will be issued by email to registrant only upon payment.
- 4) 6-hour e-CPD certificate will be provided upon completing the event within 21 days after the date of the event.

### Registration

For online registration, please complete enrolment form in the following link :

<https://forms.gle/HMhveMFbBXYGieNV7>

Please ensure to read through the Remarks stated in the Enrolment Form before registration.

### Payment

Please complete the registration online and make the payment by PayPal or Cheque payable to "ASHRAE Hong Kong Chapter". Send the Cheque to below address: "P.O. Box 35612, King's Road Post Office, North Point, Hong Kong" Attn: Mr. Taylor Chow

At the back of the Cheque, please kindly state "TC2024, Name of your company/organization, contact person and contact phone number".

### Enquiry

For enquiry, please contact Mr. Taylor Chow at 6014 2397.



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## PROGRAMME

Time	Rundown
8:30	Registration
AM Session: <b>Decarbonization Strategies and Progress</b>	
9:00	<b>Welcome Address</b> Ir Dr. Cary CHAN, JP, <i>Chairman, Technical Conference 2024</i>
9:05	<b>Opening Speech</b> Guest of Honour: Ms. Ginger SCOGGINS, <i>President, ASHRAE</i>
9:20	<b>Keynote Speech</b> <b>Striving towards Carbon Neutrality and Building a Sustainable Future</b> Guest of Honour: Miss Diane WONG, JP, <i>Under Secretary for Environmental and Ecology</i>
9:40	<b>Whole Life Carbon Zero + Recent Developments</b> - Speaker: Mr. Luke LEUNG, <i>Distinguished Lecturer, ASHRAE</i>
10:30	Tea Break
11:00	<b>CLP's Path to Net Zero – Powering a Carbon Neutral Hong Kong</b> - Speaker: Mr. Jim TAYLOR, <i>Senior Director of Planning &amp; Development, CLP Power</i>
11:30	<b>Decarbonization Strategy – From City to Corporate to Building Level</b> - Speaker: Ir Gigi KAM, <i>Associate Director, ARUP</i>
12:00	AM Session Q&A
12:10	Luncheon
PM Session: <b>Next-Generation Retro-commissioning</b>	
13:30	<b>Welcome Address</b> Mr. Peter LAM, <i>President, ASHRAE Hong Kong Chapter</i>
13:35	<b>Opening Speech</b> Guest of Honour: Ir Raymond POON, JP, <i>Deputy Director, Electrical and Mechanical Services Department</i>
13:50	<b>The Latest Development of Retro-commissioning in Hong Kong</b> - Speaker: Miss Eva LAM, <i>Senior Engineer, Electrical and Mechanical Services Department</i>
14:10	<b>Keynote Speech</b> <b>China's Strategy and Progress on Green Buildings and Low Carbon Energy</b> - Speaker: Dr. Yingxin ZHU, <i>Professor of School of Architecture, Tsinghua University, China</i>
14:40	<b>Commissioning for Low Carbon Energy and Heating/Cooling Systems</b> - Speaker: Dr. WEI Qing-peng, <i>Deputy Director, Building Energy Research Center, Tsinghua University</i>
15:10	Tea Break
15:40	<b>A Critical Review on the Digital Twin Project of AirSide</b> - Speakers: Ir Vincent WONG, <i>Assistant General Manager, Nan Fung Development Limited</i> Mr. Mark CHEN, <i>Executive Lead &amp; Chief Technology Officer, Neuron</i>
16:10	<b>Application of Artificial Intelligence (AI) Control System on Chiller Plant</b> - Speaker: Dr. Chris CHOY, <i>Co-Founder and Chief Technology Officer, Carnot Innovations Limited</i>
16:40	PM Session Q&A
16:50	<b>Closing Address</b> Mr. LEONG Cheng Wee, <i>Director and Regional Chair, ASHRAE Region XIII</i>

Remark: The committee reserves the right to modify any content of the conference program.



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## ORGANIZING COMMITTEE

<b>Chairman</b>	<b>Dr. Cary Chan, JP</b>
<b>Members</b>	<b>Ms. Ophelia Au</b> <b>Ms. Daphne Chan</b> <b>Mr. Joe Chow</b> <b>Mr. Taylor Chow</b> <b>Mr. Eddie Fung</b> <b>Mr. Patrick Huang</b> <b>Mr. Jason Kwok</b> <b>Mr. Peter Lam</b> <b>Mr. Jacky Ng</b> <b>Dr. C S Wong</b> <b>Mr. Taylor Wong</b>

## SUPPORTING ORGANIZATIONS

### Supporting Organizations – Government Department / Educational Institutions:

- Architectural Services Department
- Buildings Department
- Electrical and Mechanical Services Department
- Environmental Protection Department
- Hong Kong Housing Authority / Housing Department
- Department of Building Environment and Energy Engineering (BEEE), The Hong Kong Polytechnic University
- Department of Architecture and Civil Engineering, City University of Hong Kong
- Department of Mechanical Engineering, The University of Hong Kong
- Department of Mechanical and Aerospace Engineering, The Hong Kong University of Science and Technology
- Department of Construction, Environment and Engineering, Technological and Higher Education Institute of Hong Kong
- Asian Institute of Built Environment
- Department of Construction and Quality Management, Hong Kong Metropolitan University

### Supporting Organizations – Professional Institutions:

- Asian Institute of Intelligent Buildings
- BEAM Society Limited
- Building Services Operation and Maintenance Executives Society
- Business Environment Council
- Energy Institute Hong Kong Branch
- Hong Kong Association of Energy Engineers
- Hong Kong Green Building Council
- Institution of Mechanical Engineers Hong Kong Branch
- International Facility Management Association Hong Kong Chapter
- Property Management Services Authority
- The American Institute of Architects Hong Kong Chapter
- The Association of Energy Engineers Hong Kong Chapter
- The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch
- The Chartered Institution of Building Services Engineers Hong Kong Region
- The Hong Kong Air Conditioning and Refrigeration Association Ltd.
- The Hong Kong Federation of Electrical and Mechanical Contractors Limited
- The Hong Kong Institution of Engineers, Building Services Division
- The Hong Kong Institution of Engineers, Control, Automation & Instrumentation Division
- The Hong Kong Institution of Engineers, Environmental Division
- The Hong Kong Institution of Engineers, Gas and Energy Division
- The Hong Kong Institute of Facility Management
- The Hong Kong Institute of Surveyors
- The Society of Operations Engineers (Hong Kong Region)
- World Green Organization