

## Technical Conference 2022



# Towards Climate Action Plan 2050

## Carbon Neutrality Strategies on Water Engineering

Date: 3 November 2022  
Time: 9:00-17:35  
Venue: BEC Auditorium, G/F, Jockey Club Environmental Building, 77 Tat Chee Avenue, Kowloon Tong  
Language: English  
Fee: Member of ASHRAE, CIPHE-HKB or Supporting organization \$800 (Before 30 September, 2022) / \$900, Non-Member \$1,000 (Before 30 September, 2022) / \$1,100







**Hong Kong**  
Chapter



The Chartered Institute of Plumbing  
and Heating Engineering  
英國特許水務工程師學會  
Hong Kong Branch 香港分會

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### LANGUAGE

English

### CONFERENCE THEME

One of the signature conferences in Hong Kong regarding technologies in HVAC, water management, and water use.

Engineers with the abovementioned expertise will share the latest technology to be adopted in the journey towards carbon neutrality. A series of relevant topics for the HVAC & plumbing community, including:

**REGULATIONS AND GUIDES**

**SUSTAINABILITY FEATURES**

**LATEST TECHNOLOGY IN  
NEW AND EXISTING BUILDINGS**

### FEE

Application	*Early Bird	Standard
Member of ASHRAE HKC, CIPHE-HKB or Supporting Organization <sup>^</sup>	HK\$800*	HK\$900
Non-Member <sup>^</sup>	HK\$1,000*	HK\$1,100

\* Early Bird registration discount is only valid if payment received on or before 30<sup>th</sup> September 2022.

\*\* Seating capacity is limited, on a first-come-first-served basis.

<sup>^</sup> Lunch is NOT included.

### ENQUIRY

#### For enquiry, please contact

Mr. Barry Lau of ASHRAE-HKC by email at  
[barrylau@swireproperties.com](mailto:barrylau@swireproperties.com) or

Mr. Patrick Huang of ASHRAE-HKC by email at  
[patrickhuang@swireproperties.com](mailto:patrickhuang@swireproperties.com)

#### Notes:

1. The committee reserves the right to modify the content / date of the conference, or to cancel the conference.
2. The conference will be cancelled when the typhoon signal No.8 or above, or black storm warning is hoisted 3 hours before commencement of the conference.
3. E- receipt will be sent to registrant by e-mail only upon payment.



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### REGISTRATION

For online registration, please complete registration from the following website  
<https://forms.gle/5yxew4mDxCKEtYGu5>

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

After online registration, payment should be deposited to  
“The Chartered Institute of Plumbing and Heating Engineering – Hong Kong Branch Ltd” at

“The Hongkong and Shanghai Banking Corporation Limited”

Account No. 143-126217-001 via ATM.

Please email / fax ATM receipt to CIPHE-HKB fax  
2417 9719 / [info@ciphe.org.hk](mailto:info@ciphe.org.hk).

At the front of the ATM deposit receipt, please kindly state the following information:

1. Technical Conference 2022
2. Name of Company / Organization and Registrant
3. Contact Telephone Number &
4. Email Address

**Participant can obtain a certificate of**

- 8-hour Continuing Professional Development (CPD)
- 6-hour Continuing Professional Development (CPD)  
with approval code for Licensed Plumber

*This activity for (8 CPD credit, 6 CPD credit for LP) is provided by the Chartered Institute of Plumbing and Heating Engineering – Hong Kong Branch, Accredited Provider No. 003. This CPD programme provider is accredited by the CPD Course Panel under Advisory Board on Licensing of Plumbers. For details, please refer to below link*

<http://www.wsd.gov.hk/tc/plumbing-engineering/voluntary-continuing-professional-development-sche/accreditation/index.html>

CPD code for this event : C06-003-20221103

*There is no refund for cancellation of registration initiated by a registrant. However, the registration may be transferred to another person from the same company or organization at no extra charge by notifying the Organizer on or before 30th September 2022.*

*Registration will close on 31st October 2022. Attendance CPD Certificate will be provided upon completing the event, while Certificate for Licensed Plumber will be emailed to attendant within 1 month after the date of the event.*



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### PROGRAMME

Time	Activities	Topic / Speaker
08:30	Registration	
09:00	Welcome Address	Mr. Barry LAU Chairman, Organization Committee / ASHRAE Hong Kong Chapter
09:05	Opening Ceremony & Photo Session	
09:10	Keynote Speech	Mr. Andrew FUNG, Chief Engineer/ Electricity and Energy Efficiency Branch Electrical and Mechanical Services Department, HKSAR
Carbon Neutrality Design in Water-side Air-Conditioning System		
09:20	Session 1	<b>Driver and Benefit of District Cooling System</b> Mr. Andrew FUNG, Chief Engineer/ Electricity and Energy Efficiency Branch Electrical and Mechanical Services Department, HKSAR
10:00	Session 2	<b>Upgrading Existing Chilled Water Systems</b> Mr. Mick SCHWEDLER, Distinguish Lecturer from ASHRAE
10:40	1 <sup>st</sup> Session Q&A	
10:50	Coffee Break	
11:10	Session 3	<b>Zero Neutrality of Building System Design</b> Dr. Vincent CHENG, Arup Fellow, Director of Climate and Sustainability, Arup
11:50	Session 4	<b>Case sharing : Achieving high performance chiller plant</b> Dr. Raymond YAU, General Manager, Technical Services and Sustainable Development, Swire Properties Ltd
12:30	2 <sup>nd</sup> Session Q&A	
12:40	Lunch	
13:50	Photo Session	
14:00	Keynote Speech	Mr. Kelvin K W LO, Director, Water Supplies Department, HKSAR
Sustainability Strategy in Water Engineering		
14:10	Session 5	<b>Carbon Neutrality Adaptation in Water Engineering - Designing Water Supply System to Energy Efficient Benchmarks</b> Ir Dr WONG Ling Tim, Associate Head (Partnership) and Associate Professor of Department of BEEE, The Hong Kong Polytechnic University
14:50	Session 6	<b>How to achieve Platinum Rating for water use of BEAM Plus 2.0 in Existing Building</b> Mr. Benny AU, Elected director, 1st vice chair of the Assessment Sub-Committee, BEAM Society Limited
15:30	3 <sup>rd</sup> Session Q&A	
15:40	Coffee Break	
16:00	Session 7	<b>Solar Panels Installation on Reservoir Water Surface</b> Mr. Kenneth CHAN, Engineer, Water Supplies Department, HKSAR
16:40	Session 8	<b>Heat Pump, A Prominent Energy-Efficient Method in Hot Water Supply</b> Mr. Arthur LI, Immediate Past Chairman, CIPHE HK Branch
17:20	4 <sup>th</sup> Session Q&A	
17:30	Closing Address	Mr. YC YIU Vice-Chairman, CIPHE Hong Kong Branch
17:35	End of Conference	





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### ORGANIZING COMMITTEE

<b>CHAIRMAN</b>	Mr. Barry Lau	ASHRAE-HKC		
<b>VICE-CHAIRLADY</b>	Ms. Sylvia Liu	CIPHE-HKB		
<b>SECRETARY</b>	Mr. Patrick Huang	ASHRAE-HKC		
<b>TREASURER</b>	Mr. Kelvin Fung	CIPHE-HKB		
<b>MEMBERS</b>	Mr. Joe Chow	ASHRAE-HKC	Ms. Mona Leung	CIPHE-HKB
	Mr. Anson Lee	ASHRAE-HKC	Ms. Jacqueline So	ASHARE-HKC
	Mr. Andy Yiu	ASHRAE-HKC	Mr. Simon Ng	ASHRAE-HKC
<b>ADVISORS</b>	Dr. CS Wong	ASHRAE-HKC		

### SUPPORTING ORGANIZATIONS

- Architectural Services Department
- Asian Institute of Intelligent Buildings
- BEAM Society Limited
- Buildings Department
- Building Services Operation and Maintenance Executives Society
- Chartered Institute of Housing Asian Pacific Branch
- Chartered Institution of Water and Environmental Management (HK)
- Drainage Services Department
- Electrical and Mechanical Services Department
- Energy Institute Hong Kong Branch
- Hong Kong Association of Energy Engineers
- Hong Kong Green Building Council
- Housing Authority
- Institution of Mechanical Engineers Hong Kong Branch
- International Facility Management Association Hong Kong Chapter
- The Chartered Institute of Building Hong Kong
- The Chartered Institution of Building Services Engineers Hong Kong Region
- The Environmental Management Association of Hong Kong
- The Hong Kong Air Conditioning and Refrigeration Association
- 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 – Gas & Energy Division
- The Society of Operations Engineers Hong Kong Region
- Water Supplies Department