

## Technical Conference 2024

# Advanced Technologies in Water Engineering



BEC Auditorium, G/F,  
Jockey Club Environmental Building,  
77 Tat Chee Avenue, Kowloon Tong



15 March 2024  
9:00 AM - 5:20 PM

Medium: **English**

# Technical Conference 2024

## Advanced Technologies in Water Engineering

DATE	15 March 2024	TIME	9:00 AM - 5:20 PM
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VENUE	BEC Auditorium, G/F, Jockey Club Environmental Building, 77 Tat Chee Avenue, Kowloon Tong
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LANGUAGE	English
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CONFERENCE THEME	<p>This conference provides the latest information of advanced innovative technologies in water engineering related to HVAC, water use and management as well as sustainability.</p> <p>Engineers with the abovementioned expertise will share their best knowledges with the aims of achieving carbon neutrality.</p>
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ENQUIRY	<p>For enquiry, please contact the Secretariat Ms. Coty SIU at (852) 2417 0091, Email at <a href="mailto:info@ciphe.org.hk">info@ciphe.org.hk</a> or Fax to (852) 2417 9719.</p> <p>Notes:</p> <ol style="list-style-type: none"><li>1.The committee reserves the right to modify the content / date of the conference, or to cancel the conference.</li><li>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.</li><li>3. E-receipt will be sent to registrant by email only upon payment.</li></ol>
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FEE	Application	*Early Bird	Standard
	<b>Member of ASHRAE HK Chapter, CIPHE HK Branch or Supporting Organization^</b>	<b>HK\$800*</b>	<b>HK\$900</b>
	<b>Non-Member^</b>	<b>HK\$1,000*</b>	<b>HK\$1,100</b>

\*Early Bird rate is only valid if payment received on or before 15 February 2024.

\*\* Seating capacity is limited and will be on a first-come-first-served basis.

^ Lunch is NOT included.

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### REGISTRATION

For online registration, please complete registration from the following website :

<https://forms.gle/zkcKRNz1qKNxYgtZ7>

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

After online registration, payment should be deposited to “CIPHE-HK” at  
“The Hongkong and Shanghai Banking Corporation Limited”  
Account No. 143-126217-001 via ATM.

Please send the ATM receipt to CIPHE HK Branch by fax at 2417 9719 or  
email at [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 2024
2. Name of Company / Organization and Registrant
3. Contact Telephone Number
4. Email Address

Participant can obtain a certificate of 6 hours Continuing Professional Development (CPD)

This conference has been recognized for WSD Voluntary Continuing Professional Development Scheme  
(Code: C02-003-20240315 ; Total 2 hours for LP credit).

If you would apply for credits of the Voluntary Continuing Professional Development (CPD) Scheme for LP under  
Water Supplies Department, please make sure you have provided a valid Plumber Licence Number.

Certificate will only be issued to whom with full attendance.

This activity (6 CPD credit, 2 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.

CPD code for this event : C02-003-20240315

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 8 March 2024.

Registration will close on 12 March 2024. 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	Rundown
8:30	Registration
AM Session:	
9:00	<b>Welcome Address</b> Mr. Emil LAU, <i>Chairman, Organization Committee of CIPHExASHRAE Technical Conference 2024</i>
9:05	<b>Opening Speech</b> - Guest of Honour: Ir Tony YAU, JP, <i>Director of Water Supplies, Water Supplies Department</i>
9:15	<b>Keynote Speech</b> <b>Catalyzing Smart Water Trunk Transfer System for Sustainability</b> - Speaker: Mr. LEUNG Chi Chung, <i>Senior Electrical and Mechanical Engineer, Water Supplies Department</i>
9:45	<b>Beyond Water Scarcity: Innovative Solutions to Create a Sustainable Future</b> - Speaker: Ir Norman CHENG, <i>Business Development Director, Veolia Hong Kong</i>
10:15	<b>Innovative Solution for Carbon Emission in Plumbing System</b> - Speaker: Mr. YT CHAN, <i>Sales Manager, Grundfos Pumps (Hong Kong) Limited</i>
10:45	Tea Break
11:15	<b>Innovative Bio-Filtration System for Grey Water Recycling in Commercial Complex</b> - Speaker: Mr. Edward KWOK, <i>Senior Consultant, Hong Kong Productivity Council</i>
11:45	<b>Application of Auto Shut-off Valves for Over Pressure Protection and Hot Water Circulation</b> - Speaker: Mr. Stephen LAM, <i>Director &amp; General Manager, Gate Way Valve &amp; Fitting Limited</i>
12:15	AM Session Q&A
12:30	Luncheon
PM Session:	
14:15	<b>Welcome Address</b> Mr. Peter LAM, <i>President, ASHRAE Hong Kong Chapter</i>
14:20	<b>Keynote Speech</b> <b>HVAC Water System Designs</b> - Speaker: Mr. Chandana N. DALUGODA, <i>ASHRAE Distinguished Lecturer</i>
15:00	<b>Sustainable Cooling Tower Designs for High Efficiency &amp; Operational Excellence</b> - Speaker: Ms. Phaddra WONG, <i>General Manager, Mesan Fiberglass Engineering (International) Limited</i>
15:30	Tea Break
16:00	<b>Utilization of IoT and AI in Chilled Water Flow Control and Balancing</b> - Speaker: Mr. Travis KAN, <i>Director of Digital Energy &amp; Power Products, Schneider Electric (HK) Limited</i>
16:30	<b>Application of Electromagnetic Induction Device (EID) for Water Treatment</b> - Speaker: Mr. Kalson LEUNG, <i>Technical Director, PowerTech IPC Company Limited</i>
17:00	PM Session Q&A
17:15	<b>Closing Address</b> Mr. YC YIU, <i>Chairman, CIPHE Hong Kong Branch</i>



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### ORGANIZING COMMITTEE

Chairman	Mr. Emil Lau (CIPHE HK Branch)
Vice-Chairman	Mr. Eddie Fung (ASHRAE HK Chapter)
Secretary	Mr. Patrick Lui (ASHRAE HK Chapter)
Treasurer	Ms. Sylvia Liu (CIPHE HK Branch)
Members	Mr. Calvin Li (CIPHE HK Branch) Ms. Mona Leung (CIPHE HK Branch) Mr. Taylor Chow (ASHRAE HK Chapter) Mr. Joe Chow (ASHRAE HK Chapter)
Advisor	Dr. C S Wong (ASHRAE HK Chapter)

### SUPPORTING ORGANIZATIONS

#### Supporting Organizations – Government Department:

- Architectural Services Department
- Electrical and Mechanical Services Department
- Environmental Protection Department
- Hong Kong Housing Authority
- Water Supplies Department

#### Supporting Organizations – Professional Institutions:

- Asian Institute of Intelligent Buildings
- BEAM Society Limited
- Building Services Operation and Maintenance Executives Society
- Business Environment Council
- Chartered Institute of Building Hong Kong
- Chartered Institute of Housing Asian Pacific Branch
- CIWEM Hong Kong
- 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
- The Association of Energy Engineers Hong Kong Chapter
- The Chartered Institution of Building Services Engineers Hong Kong Region
- 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 and Energy Division
- The Hong Kong Institute of Facility Management
- The Society of Operations Engineers (Hong Kong Region)