

Organisers:

**CIPHE** 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

**CIWEM** Chartered Institution of  
Water and Environmental  
Management  
Hong Kong Branch

**HKIE** THE HONG KONG  
INSTITUTE OF ENGINEERS  
香港工程師學會  
Building Services Division  
屋宇裝備工程分組

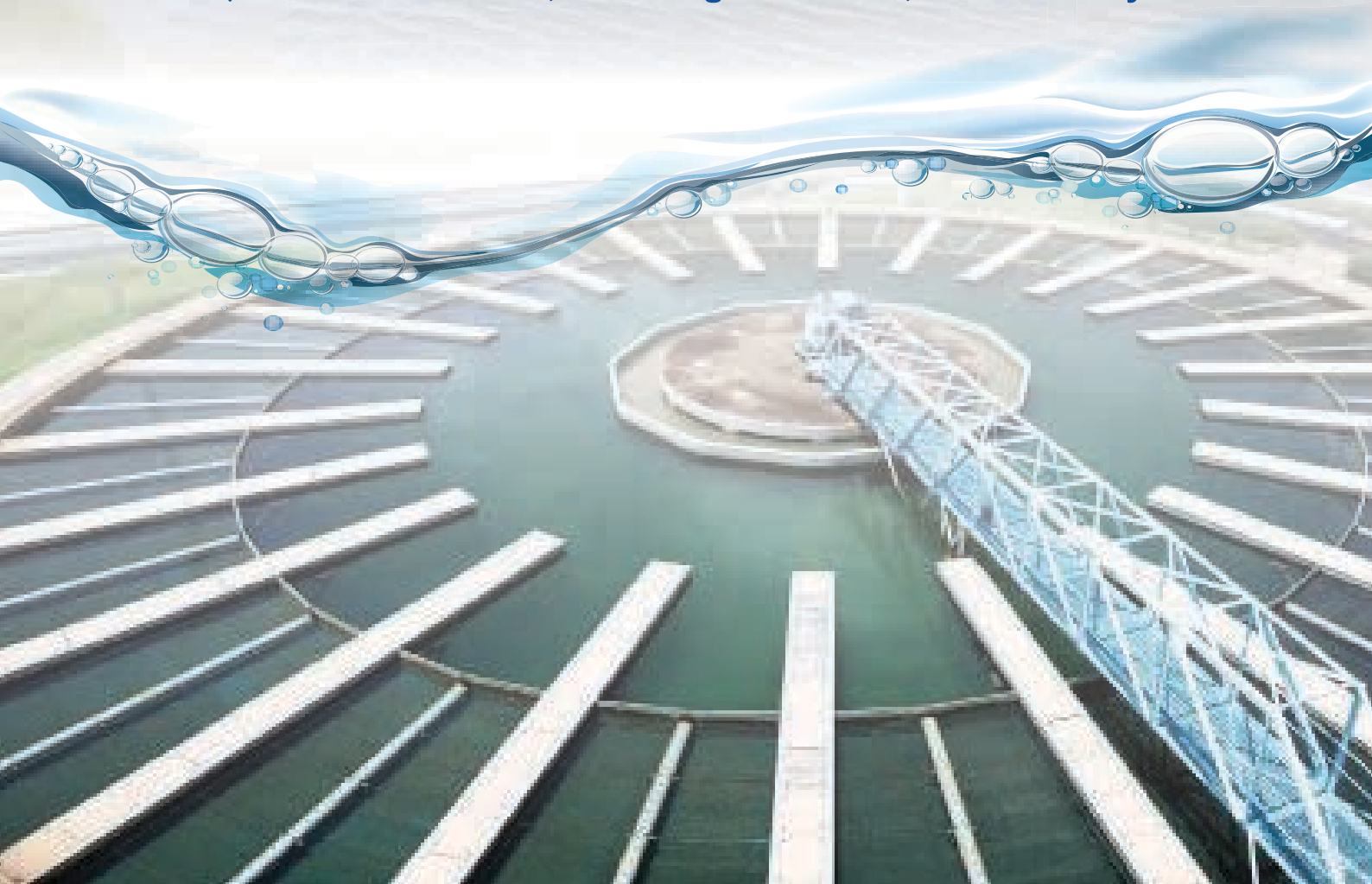


## Water Conference 2023

# Hydraulics of the Future: Environmental Challenges

**27 April 2023 (Thursday)**

📍 **Zero Carbon Park, 8 Sheung Yuet Road, Kowloon Bay**



# HYDRAULICS OF THE FUTURE: ENVIRONMENTAL CHALLENGES

27 April 2023 (Thu)

Zero Carbon Park, 8 Sheung Yuet Road, Kowloon Bay

## MAIN THEME

To promote New Advance Technologies for Water Resources Management and Water Safety to address the Future Environmental Challenges

## Targeted Participants

Waterworks Professionals, Building Designers, Building Construction and Maintenance Professionals and Practitioners, Facility Managers, and Academia

**Official Language of the Conference:** English

## PROGRAMME

08:30	Registration	
09:00	Welcome Address	Ms. Sylvia LIU, <i>Chairlady, CIPHE Hong Kong Branch</i>
09:05	Opening Speech	Guest of Honour: Mr. Tony K T YAU, JP, <i>Director of Water Supplies</i>
09:20	Keynote Speech	<b>Development of a Multifunctional Photoelectrochemical System for Water and Wastewater Treatment Towards Sustainability and Carbon Neutrality</b> Ir Prof. Irene M C LO, JP, <i>Chair Professor of Civil &amp; Environmental Engineering, The Hong Kong University of Science and Technology</i>
<b>AM Session: Water Resources</b> (Session Chair: Mr. Y C YIU, <i>Chairman, Organizing Committee of WC2023</i> )		
09:50	<b>First Stage of Tseung Kwan O Desalination Plant: A New Era of Water Management</b> Mr. LIN Tang Tai, <i>Chief Engineer, Water Supplies Department</i>	
10:20	Tea Break	
10:50	<b>Photovoltaic Thermal (PVT) System of Solar Heat Reclaim and Hot Water Pre-heat for 11 Skies</b> Dr. Tony LAM, <i>Director - Climate &amp; Sustainability, ARUP</i>	
11:20	<b>Novel Catalytic Advanced Oxidation and Catalytic Oxidation Process for Water Purification</b> Mr. Gheorghe DUTA, <i>Executive Director, Infinite Water Holdings Limited</i>	
11:50	AM Session Q&A	
12:10	Lunch Break (*Lunch is NOT provided)	
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14:00	Welcome Address	Ir Sammy S K YEUNG, <i>Chairman, HKIE Building Services Division</i>
14:05	Opening Speech	Guest of Honour: Ms. Alice PANG, JP, <i>Director of Drainage Services</i>
<b>PM Session: Environmental Challenges</b> (Session Chair: Ir C F LEUNG, <i>Immediate Past Chairman, CIWEM Hong Kong</i> )		
14:20	<b>Building a Flood Resilient City with Blue-green Infrastructure</b> Ms. Esther K W YUEN, <i>Chief Engineer, Land Drainage, Drainage Services Department</i>	
14:50	<b>Aerobic Granular Sludge Technology and its Application Prospects in Greater Bay Area</b> Ms. ZHAO Xin, <i>Technical Lead, Royal HaskoningDHV</i>	
15:20	Tea Break	
15:50	<b>Membrane Aerated Biofilm Reactor (MABR) for Sustainable Process Intensification of Activated Sludge</b> Dr. Min LUO, <i>Process Engineering Leader of Greater China, Veolia Water Technologies &amp; Solutions</i>	
16:20	<b>Smart Water Works in Practices</b> Dr. Winnie LIU, <i>Vice President, Beijing Enterprises Water Group Limited</i>	
16:50	PM Session Q&A	
17:10	Closing Address	Ir CHENG Hok Hing, <i>Chairman, CIWEM Hong Kong</i>

Remark: The Organizers reserve the right to modify and update the conference program without prior notice.

## REGISTRATION FEES

	*Early Bird	Standard
Member of CIPHE, CIWEM, HKIE, or Supporting Organizations	**HK\$700	**HK\$1,000
Non-member	**HK\$800	**HK\$1,100
Full-time Student	**HK\$100	**HK\$150

\*Early Bird registration discount is only valid if payment is received on or before 7 April 2023.

\*\* Lunch is NOT included.

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

[This conference has recognized for WSD Voluntary Continuing Professional Development Scheme (Code: C03-003-20230427; Total 3 credits).

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.]

## REGISTRATION



Register online via <https://forms.gle/kqwk1bZEFZFSEhvv7>, prepare a Crossed Cheque payable to "CIPHE-HK", and mail to **CIPHE - HKB, P.O. Box 62531, Kwun Tong Post Office**.

Please read through the Remarks stated at the end of the Enrolment Form before registration.

At the back of the cheque, please state the following information:

1. Water Conference 2023;
2. Name of Company/Organization;
3. Name of Registrant;
4. Contact Telephone Number; &
5. Email Address.

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 Organizers on or before 20 April 2023.

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

Registration will close on **20 April 2023**.

For enquiry, please contact the Secretariat Ms. Coty SIU at 2417-0091 or Ms. Bernice CHENG at 9327-0676,

Email at [info@ciphe.org.hk](mailto:info@ciphe.org.hk) or Fax to (852) 2417-9719.

## ORGANIZING COMMITTEE

Chairman:	Mr. Y C YIU	CIPHE-HKB				
Members:	Mr. Kelvin FUNG	CIPHE-HKB	Ir H H CHENG	CIWEM-HK	Ir Sammy YEUNG	HKIE-BSD
	Ms. Mona LEUNG	CIPHE-HKB	Ir Albert CHAN	CIWEM-HK	Ir Derek CHAN	HKIE-BSD
	Mr. Arthur LI	CIPHE-HKB	Ir Ray LEUNG	CIWEM-HK	Ir Chris NG	HKIE-BSD
					Ir Kelvin WONG	HKIE-BSD
Advisor:	Ir Dr. C S WONG					

## SUPPORTING ORGANIZATIONS

- Architectural Services Department
- ASHRAE Hong Kong Chapter
- BEAM Society Limited
- Building Services Operation and Maintenance Executives Society
- Buildings Department
- Business Environment Council
- Department of Civil Engineering, The University of Hong Kong
- Department of Civil & Environmental Engineering, HKUST
- Drainage Services Department
- Electrical and Mechanical Services Department
- Environmental Management Association of Hong Kong
- Highways Department
- Hong Kong Green Building Council
- Hong Kong Housing Authority / Housing Department
- Hong Kong Institute of Qualified Environmental Professionals
- Hong Kong Institution of Environmental Impact Assessment
- Hong Kong Institution of Environmental Protection Officers
- Institution of Civil Engineers Hong Kong Association
- International Association for Hydro-Environment Engineering and Research - Hong Kong Chapter
- International Facility Management Association Hong Kong Chapter
- School of Energy and Environment, City University of Hong Kong
- The Hong Kong Institute of Surveyors
- The Hong Kong Institution of Engineers, Civil Division
- The Hong Kong Institution of Engineers, Environmental Division
- Water Supplies Department

Organizers:



WATER CONFERENCE 2023 ON

## HYDRAULICS OF THE FUTURE: ENVIRONMENTAL CHALLENGES

27 April 2023 @ Zero Carbon Park, 8 Sheung Yuet Road, Kowloon Bay

### PERSONAL CONTACT DETAILS

### Enrolment Form

Name (Mr./Ms./Ir/Dr/Prof) : \_\_\_\_\_

Membership :

☐ CIPHE ☐ CIWEM ☐ HKIE

Member No. : \_\_\_\_\_

☐ Supporting Organization

Member No. : \_\_\_\_\_

☐ Full-time Student

☐ WSD License Plumber - License number : \_\_\_\_\_

Name of Company/ Organization/ University : \_\_\_\_\_

Position : \_\_\_\_\_

Contact Address : \_\_\_\_\_

Contact Tel. No. : \_\_\_\_\_ Mobile No. : \_\_\_\_\_

Fax No. : \_\_\_\_\_ Email Address : \_\_\_\_\_

Do you agree that we use your personal data for promotion of future events?

☐ Yes ☐ No

Signature : \_\_\_\_\_ Date : \_\_\_\_\_

Note: Please send your completed Enrolment Form (the Form) together with crossed cheque payable to "CIPHE-HK" and mail to CIPHE - HKB, P.O. Box 62531, Kwun Tong Post Office.

At the back of the cheque, please kindly state "Water Conference 2023", name of your company/organization, contact person, contact phone number and email address.

Remarks:

- 1) Please settle full payment within 3 working days from registration.
- 2) No refund may be made but substitute delegate is allowed.
- 3) Booking will only be confirmed with payment, on a first-come-first-served basis.
- 4) An official e-receipt will be issued by email to the registrant only upon payment.
- 5) The event will be cancelled with full refund when the typhoon signal no. 8 or above, or black storm warning is hoisted 3 hours before the event commences.
- 6) Contact information will be solely used in future event promotion if agreed.
- 7) Information provided will be kept strictly confidential and will not be sold, reused, rented, loaned, or otherwise disclosed to third party.