

The HKIE Environmental Division Annual Forum 2025

Climate Governance through Environmental Mitigation
and Adaptation: Challenges & Opportunities for Engineers



Date: 15 April 2025(Tuesday)

Time: 09:00-17:00

Venue: 1/F Grand Ballroom I-III,

Crowne Plaza Hong Kong East,
3 Tong Tak Street,
Tseung Kwan O, HK

HKIE THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會

Environmental Division
環境分部

Enquiry Tel: 6937 5399 Email: HKIEEVDAnnualForum@gmail.com



INTRODUCTION

Climate governance aims to pursue mechanisms and responses to mitigate and adapt to the risks posed by climate change. It emphasizes a revolutionary concept of the need to proactively manage the environmental system, which interlinks society's behavior and climate responses, instead of passively working toward environmental protection goals. European Environment Agency recently further emphasized the synergies of simultaneously acting for climate mitigation and adaptation measures in urban environments, aiming to reduce atmospheric greenhouse gas concentrations and increase societal resilience to the consequences of climate change. Both mitigation and adaptation measures must work synergistically to face our current climate governance challenge.

The proposed 2025 Annual Forum organized by the Environmental Division of the Hong Kong Institution of Engineers provides a timely platform for environmental experts and relevant stakeholders to agree on essential questions of the climate change agenda and brainstorm sustainable solutions. The forum is particularly to find out challenges and opportunities for engineers to participate in the mitigation and adaptation actions. Many of these actions in Hong Kong are in the domain of built environment and closely related to the sustainable development of the local construction industry.





ORGANIZATING COMMITTEE

Chairman

Ir Prof. SHIH Kaimin

Members

Ir Dr CHAN Ka Lung, Raymond

Ir WONG Wai Keung Alex

Ir LEUNG Chi Fung

Ir CHAN Mannix Mong Wah

Ir CHAN Chung Tak Thomas

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Ir CHOW Kwok Keung Peter

Ir Dr GBAGUIDI Alex Enganon

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Mr FUNG Shing Ming Jimmy

Miss SHEA Yi Ling Elaine

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Mr LEE Wood Wei Patrick

Ir Dr YUNG Kin Kwong Jeffrey

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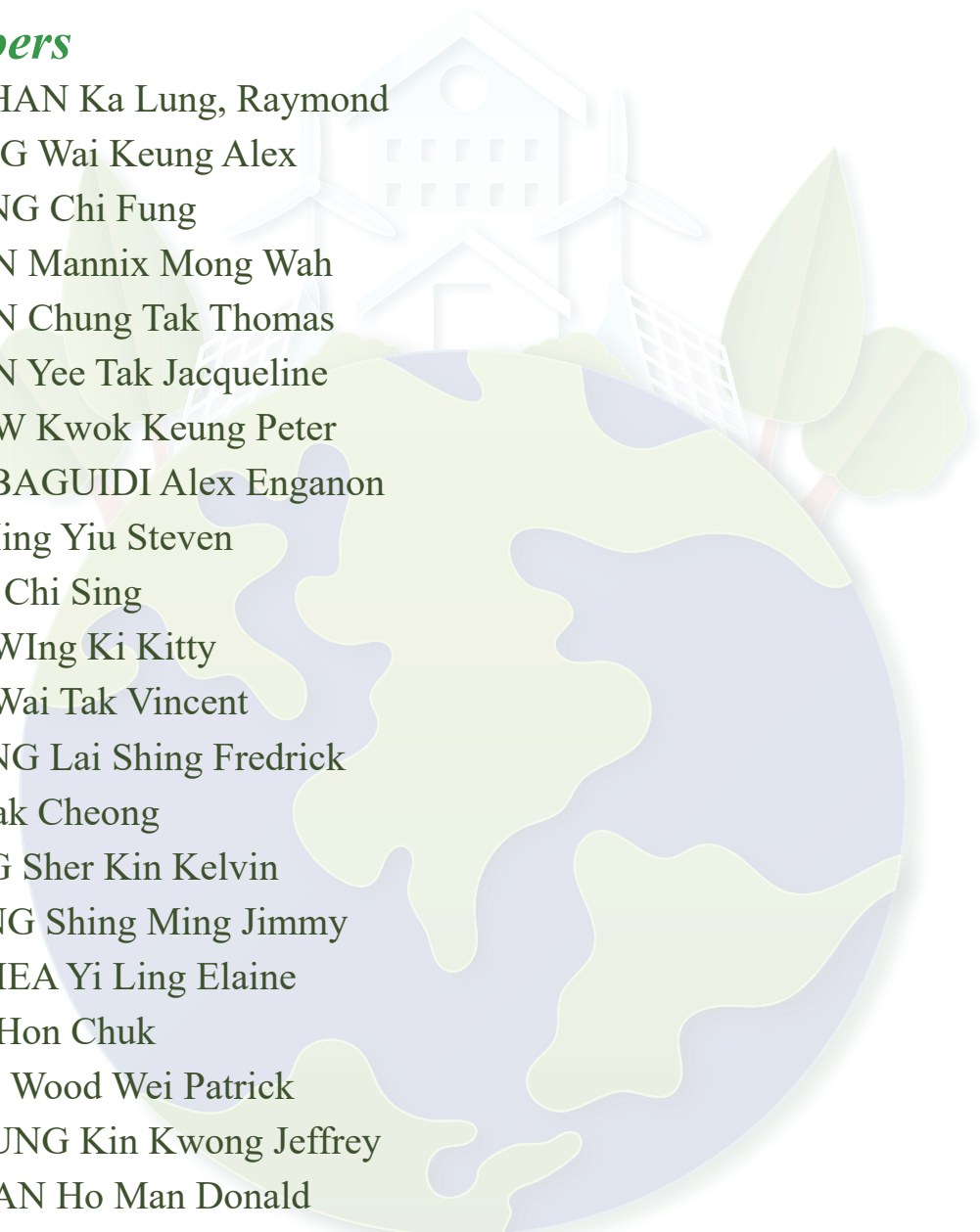
Ir Prof LO Man Chi Irene

Ir WONG Siu Wai Kenny

Ir HO Wai Man

Ir LAU Hoi Fung Rocky

Ir LIU Kam Fai Tommy





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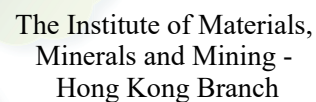


Non-Academic





SUPPORTING ORGANIZATIONS





FORUM VENUE

Crowne Plaza Hong Kong East

3 Tong Tak Street, Tseung Kwan O, Hong Kong

3-minute walk from the Tseung Kwan O MTR Station, Exit C



Transportation Information:

From	Time (min)	By
Hong Kong International Airport	45	Car
Sky100 at International Commerce Centre (ICC)	35	Car
Central	25	Car
Sai Kung Town	20	Car
Hong Kong Convention & Exhibition Centre	20	Car
Hong Kong University of Science and Technology	15	Car
Quarry Bay, North Point, Taikoo Shing, Kwun Tong	10 - 15	MTR
East Point City Shopping Mall	3	MTR
Park Central Shopping Mall	1	Walk



PROGRAMME

TIME	CONTENT
8:30am-9:00am	Registration
9:00am-9:05am	Welcome Remarks <i>Ir Dr Raymond K.L. Chan, Chairman of the HKIE EVD</i>
9:05am-9:15am	Opening Address
9:15am-9:35am	Keynote Address <i>Keynote Speaker: Ir Dr Hon Lo Wai Kwok GBS, MH, JP, Legislative Councillor</i>
9:35am-9:40am	Group Photo
Session I –Sustainable Water Environment <i>Chaired by Ir Kitty LEE Wing Ki</i>	
9:40am-10:00am	I-1 - TBC <i>Speaker: Mr. Mok Wing Cheong, JP, Director of Drainage Services Department, The Government of the HKSAR</i>
10:00am-10:20am	I-2 –Strategic Water Management for Water Sustainability <i>Speaker: Ms Melody WONG, Chief Engineer/Development of Water Supplies Department, The Government of the HKSAR</i>
10:20am-10:40am	I-3 - AI Applications in Water and Sewage Treatment <i>Speaker: Mr. Mark Leung, Director of Smart Data Automation, ATAL Engineering Group</i>
10:40am-10:50am	Q & A
10:50am-11:10am	Coffee Break
Session II - Nature-Inspired Strategies in the Built Environment <i>Chaired by Ir LEUNG Chi Fung</i>	
11:10am-11:30am	II-1 - Green Neighbourhood in High-density High-rise Contexts <i>Speaker: Ar. Dr Tony Ip, Founder, Tony Ip Green Architects Ltd</i>
11:30am-11:50am	II-2 –Urban Biodiversity in Hong Kong: Nature Positive, Nature-Inspired Design Strategies <i>Speaker: Mr. David Stanton, Executive Director, Ecology and Biodiversity – Hong Kong Aurecon</i>
11:50am-12:10am	II-3- "Weeds" as a resource in the urban setting <i>Speaker: Mr Lam Chiu Ying, Former Director, The Hong Kong Observatory</i>
12:10am-12:20pm	Q & A
12:20pm-1:30pm	Luncheon



PROGRAMME

TIME	CONTENT
1:30pm-1:45pm	Souvenir Presentation Ceremony (Sponsors)
1:45pm-2:00pm	Group Photo
Session III – Waste and Resource Technologies	
Chaired by Ir LEONG Lai Shing, Fredrick	
2:00pm-2:20pm	III-1 - Application of digital twin at Chemical Waste Treatment Centre Speaker: Mr Alex Ho, Chief Information Officer, Veolia Hong Kong and Macau
2:20pm-2:40pm	III-2 - Leveraging life cycle efficiencies by leading edge smart digital solutions in waste management technologies Speaker: Ir Ping Ki Chan, Director of Smart Solutions & Advanced Engineering, Greater China, WSP
2:40pm-3:00pm	III-3 – TBC Speaker: Ms Theresa Wu, Assistant Director (Waste Infrastructure), Environmental Protection Department, HKSAR Government
3:00pm-3:10pm	Q & A
3:10pm-3:30pm	Coffee Break
Session IV - ESG Innovation for Climate Resilience and Sustainability	
Chaired by Ir Dr GBAGUIDI Alex Enganon	
3:30pm-3:50pm	IV-1 – An Innovative ESG Artificial Intelligence Engine for Climate Resilience and Sustainability Speaker: Ir Prof. Elvis Au, BBS, Adjunct Professor, The University of Hong Kong
3:50pm-4:10pm	IV-2 - Future-proofing Business against Climate Risk Speaker: Ir Dr Shelley Zhou, Head of Corporate Sustainability, Hang Seng Bank Limited
4:10pm-4:30pm	IV-3 – TBC Speaker: Mr Shaun Hannam, Senior Director – Health, Safety & Environment of CLP Group
4:30pm-4:45pm	Q & A
4:45pm-5:00pm	Closing Address Speaker: Mr. Lee Hok Yin, Arthur, Commissioner for Climate Change, Environment and Ecology Bureau, The Government of the HKSAR



REGISTRATION FORM



The HKIE Environmental Division Annual Forum 2025
 “Climate Governance through Environmental Mitigation and Adaptation:
 Challenges & Opportunities for Engineers”

Tuesday, 15 April 2025 (09:00-17:00)
 Crowne Plaza Hong Kong East, 3 Tong Tak Street, Tseung Kwan O, Hong Kong

Name: (Ir/Prof/Dr/Mr/Ms) _____ (First Name) _____ (Surname)

Company: _____ Position: _____

Tel: _____ Email: _____

	Registration Fee	Registration (please “√” as appropriate)
Early-Bird Registration (on or before 28 FEB 2025)	Members of The HKIE and Supporting Organizations : \$1,080	
	Non-Members : \$1,180	
Full Registration (after 28 FEB 2025)	Members of The HKIE and Supporting Organizations : \$1,280	
	Non-Members : \$1,480	
HKIE Graduate Members	\$500	

Remarks :

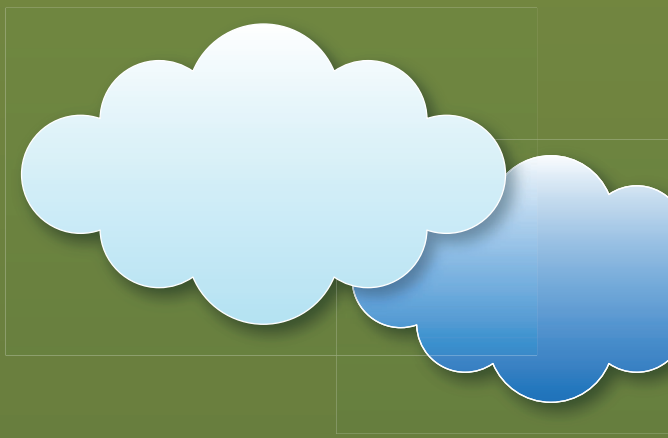
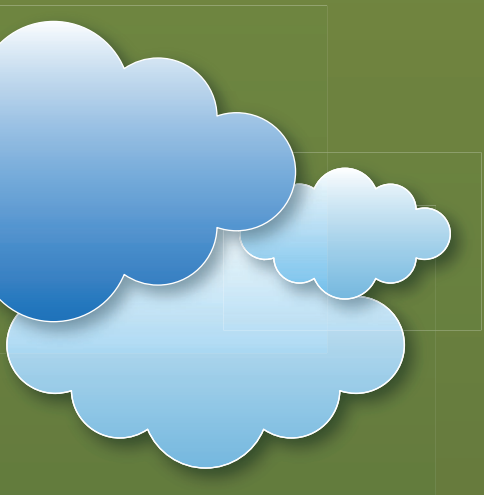
- ※ The fee includes a copy of Forum proceedings, a lunch and two coffee breaks.
- ※ HKIE Graduate Members Seats are limited to 50 (first-come-first-served). A copy of HKIE Membership Card must be presented together with the registration form.
- ※ Cancellation will be accepted only in writing via email, no later than two weeks before the function commences, and only 50% of registration fee will be refunded.

Payment :

I enclose a crossed cheque no _____ for the amount of HK\$_____ payable to “The HKIE Environmental Division”.

Please complete the form and return it together with appropriate payment to the Forum Secretariat,
 c/o **C & C Agency Limited**

Rm T302, 8 Fung Mat Road, Sai Ying Pun, Hong Kong
 Tel: 6937 5399 ; Email HKIEEVDAnnualForum@gmail.com
 Event Website: <http://ev.hkie.org.hk/>



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