



The HKIE Environmental Division Annual Forum 2024

*“Driving New Metropolis in GBA Towards
Climate Resilience and Sustainability”*



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

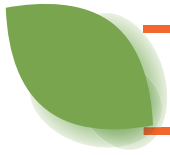
Environmental Division
環境分部

Date: 18 April 2024 (Thursday)

Time: 09:00-17:00

Venue: 1/F Grand Ballroom I-III,
Crowne Plaza Hong Kong East,
3 Tong Tak Street, Tseung Kwan O,

Language: English / Chinese
(Without translation)



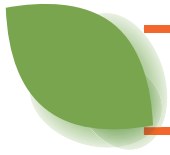
INTRODUCTION

Regarding the complex challenge of concurrently addressing multiple aspects of climate change, the Annual Forum 2024 becomes a key platform for industry experts to develop strategies for a sustainable urban future especially for new metropolis in Greater Bay Area. The topics will holistically cover smart town planning, integrating Environmental, Social, and Governance (ESG) principles, and scaling up green financing. Key focus areas to be agreed upon include developing climate resilience strategies, investigating low carbon emission initiatives, discussing the role of ESG in driving new technologies and investments. The need to scale up the role of innovative engineering and financial models in forming actions and decisions on resilience and sustainability will be highlighted. As a result, both technological advancement and financial investment are seen as critical components in developing new metropolises that are equipped to thrive in a changing climate.

The aim of the Annual Forum 2024 is to discuss and share knowledge, insight, expertise and experiences on essential elements and considerations for developing new metropolis in GBA to achieve climate resilience and sustainability. It will focus on engineering challenges and innovation opportunities in four sessions: I) Smart Town Planning in New Developing Areas - in Terms of Sustainability and Environmental Excellence; II) Climate Resilience Approach for Development of New Metropolis in GBA; III) ESG Driven New Technologies and Innovations for Environmental Excellence and Climate Resilience and IV) Scaling Up Green Financing to Accelerate Carbon Neutrality.

“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”



ORGANIZING COMMITTEE

Chairman

Ir Dr CHAN Ka Lung, Raymond

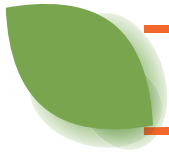
Members

Ir WONG Wai Keung, Alex
Ir Dr ZHOU Wenwen, Shelley
Ir CHOW Kwok Keung, Peter
Ir LEE Wai Tak, Vincent
Ir Prof SHIH Kaimin
Ir LO Pak Cheong
Ir CHAN Chung Tak, Thomas
Ir TANG Sher Kin, Kelvin
Ir LEONG Lai Shing, Fredrick
Ir CHAN Yee Tak, Jacqueline
Ir CHAN Mong Wah, Mannix
Ir Dr GBAGUIDI Alex Enagnon
Ir LAM Chi Sing

Ir HO Hing Yu, Steven
Ir CF LEUNG
Ir WANG Yuan Chi, Daniel
Ms SHEA Yi Ling, Elaine
Mr. YU Hon Chuk
Mr. LEE Wood Wei, Patrick
Ir Dr. YUNG, Kin Kwong Jeffrey
Ms. Tsang Mei Wai Cindy
Ir Prof Irene LO
Ir Kenny Wong
Mr. LAM Yau Bun, Benjamin
Ir Kitty LEE Wing Ki
Ir CHEN Hao Ting, Ambrose

“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”



SPONSORSHIP

Diamond Sponsor



Platinum Sponsor



Invest**HK** 投資推廣署

Gold Sponsor



Silver Sponsor

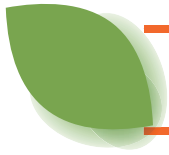


Bronze Sponsor



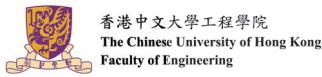
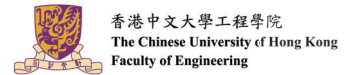
“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”

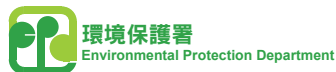


SUPPORTING ORGANIZATIONS

Academic

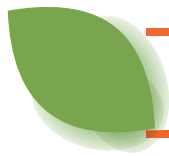


Non-Academic



“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”



SUPPORTING ORGANIZATIONS



Hong Kong Chapter



Friends of the Earth (Hong Kong)



GREEN COUNCIL 環保促進會



Hong Kong Applied Science and Technology Research Institute 香港應用科技研究院



香港創新科技及製造業聯合總會
Hong Kong Federation of Innovative Technologies and Manufacturing Industries



Hong Kong General Chamber of Commerce 香港總商會 1861



Hong Kong Green Strategy Alliance

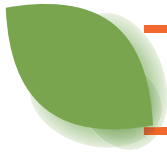


Kadoorie Farm & Botanic Garden



“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”



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

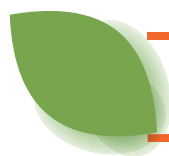


Transportation Information:

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

“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”



PROGRAMME

TIME	CONTENT
8:30am-9:00am	Registration
9:00am-9:05am	Welcome Remarks <i>Ir Alex Wong, Chairman of the HKIE EVD</i>
9:05am-9:15am	Opening Address <i>Ir Barry Lee, President, The Hong Kong Institution of Engineers</i>
9:15am-9:30am	AM Session Keynote Address – Why are Climate Resilience and Sustainability Critical to New Metropolis? <i>AM Keynote Speaker - Mr. Michael Fong, JP, Director of Civil Engineering and Development Department, The Government of the HKSAR</i>
9:30am-9:40am	Group Photo
Session I – Smart Town Planning in New Developing Areas - in Terms of Sustainability and Environmental Excellence <i>Chaired by Ir TANG Sher Kin, Kelvin</i>	
9:40am-9:55am	I-1 - Flooding Prevention and Climate Resilience <i>Speaker: Mr. Ringo Mok, JP, Director of Drainage Services Department, The Government of the HKSAR</i>
9:55am-10:10am	I-2 –The Current Advances and Challenges of Solid-State Hydrogen Storage Materials – Towards a Greener Futuhre <i>Speaker: Ir Dr Alex Tsang, Assistant Professor of Faculty of Science and Technology, Thei</i>
10:10am-10:25am	I-3 - Smart and Resilient City Planning <i>Speaker: Ir Dr Bruce Chong, Director of Sustainability, Arup</i>
10:25am-10:40am	I-4 – TBC <i>Speaker: From CLP / TBC</i>
10:40am-10:55am	Q & A
10:55am-11:15am	Coffee Break
Session II - Climate Resilience Approach for Development of New Metropolis in GBA <i>Chaired by Ir HO Hing Yu, Steven</i>	
11:15am-11:30am	II-1 - 雙碳目標下澳門的可持續發展狀況 <i>Speaker: From The Macau Institute of Engineers</i>
11:30am-11:45am	II-2 - TBC <i>Speaker: From Authority of Qianhai Shenzhen – HK Cooperation Zone</i>
11:45am-12:00pm	II-3- Nature-based Solutions as Ally for Developing Sustainable Metropolis <i>Speaker: Ms. Karen Ho, Head, Corporate and Community Sustainability, WWF</i>
12:00pm-12:15pm	II-4 – Engineering Design and Construction of Offshore LNG Terminal <i>Speaker: Ir Johnny Kwong Kwing-lam, Chief Mechanical Engineer of HK Electric</i>
12:15pm-12:30pm	Q & A

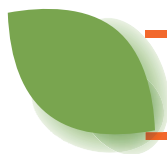
“Driving New Metropolis in GBA Towars

Climate Resilience and Sustainability”

TIME	CONTENT
12:30pm-2:00pm	<i>Luncheon</i> Speaker: From Urban Renewal Authority
2:00pm-2:15pm	PM Session Keynote Address - How can Sustainability and Carbon Neutrality Contribute to Climate Resilience? PM Keynote Speaker – Ir Dr Samuel Chui, JP, Director of Environmental Protection Department, The Government of the HKSAR
Session III – ESG Driven New Technologies and Innovations for Environmental Excellence and Climate Resilience Chaired by Ir Kitty LEE Wing Ki	
2:15pm-2:40pm	III-1 - Low Carbon Emission Technology to Treat Sewage and Generate H2 Gas as Renewable Energy Speaker: Ir Prof. Irene Lo from Hong Kong University of Science and Technology
2:40pm-2:55pm	III-2 - ESG Driven New Technologies and Innovations for Environmental Excellence, Climate Resilience and Sustainable Economy Speaker: Ir Prof. Steve S.F. Wong from IESG Technologies Ltd.
2:55pm-3:10pm	III-3 –New Source of Drinking Water for Hong Kong – Tseung Kwan O- Desalination Plant Speaker: Ir Alex Law, Managing Director of E&MC, JEC
3:10pm-3:25pm	III-4 - TNFD Related Topic Speaker: Dr Julia Baker from UK Mott
3:25pm-3:40pm	Q & A
3:40pm-4:00pm	<i>Coffee Break</i>
Session IV - Scaling Up Green Financing to Accelerate Carbon Neutrality Chaired by Ir Dr GBAGUIDI Alex Enagnon	
4:00pm-4:15pm	IV-1 - TBC Speaker: Ir Prof. Elvis Au
4:15pm-4:30pm	IV-2 - TBC Speaker: From Hong Kong Quality Assurance Agency
4:30pm-4:45pm	IV-3 – ESG Investing Strategies Trend in Greater Bay Area Speaker: Ms. Kristy Wong, Associate Director of ESG Investment Specialist of Amundi
4:45pm-5:00pm	IV-4 - TBC Speaker: Dr Jimmy Chiang, Associate Director-General of InvestHK
5:00pm-5:15pm	Q & A
5:15pm-5:20pm	Closing Remarks Ir Dr Raymond K.L. Chan, Chairman of Organizing Committee

“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”



REGISTRATION FORM



THE HKIE Environmental Division Annual Forum 2024

“Driving New Metropolis in GBA Towards Climate Resilience and Sustainability”

Thursday, 18 April 2024 (09:00-17:30)

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 8 MAR 2024)	Members of The HKIE and Supporting Organizations : \$980	
	Non-Members : \$1,080	
Full Registration (after 8 MAR 2024)	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/>

“Driving New Metropolis in GBA Towards

Climate Resilience and Sustainability”