

The HKIE Environmental Division Annual Forum

Hong Kong's Role in
**Low Carbon
Development:**
Challenges and
Way Forward



Monday, 18 April 2016
Hong Kong Convention & Exhibition Centre

INTRODUCTION

In the past decade, it is well known that we are facing two major issues, climate change and the shortage of resources in terms of energy, clean water and clean air. In Hong Kong, as an international city, we need to optimize energy and resources consumption for carbon reduction yet achieving a sustainable growth in economy. Therefore, this Forum provides a great opportunity for the participants to exchange information and experience with each other for more understanding of the challenges and the solution for the dilemma of minimizing energy consumption to reduce carbon emissions but at the same time to meet the economic growth for Hong Kong.

The objectives of the annual forum are to enlighten environmental engineering professionals' awareness through innovation and application of new technologies to reduce greenhouse gases emissions, protect the water resource and improve air quality. Moreover, the use of new technologies, green materials and innovative construction solutions will lead to further improvement of the environment and a sustainable development of Hong Kong.

The forum comprises the keynote session and four other sessions: 1) Climate Resilience and Challenges; 2) Development of Low- Carbon Energy; 3) Urban Mobility Decarbonizing and 4) Carbon Pricing and Market. The forum will bring together professional engineers, experts and industry stakeholders to share their knowledge, experiences and insights on the subjects proposed above.

ORGANIZING COMMITTEE

Chairman: Ir TANG, Kelvin

Members: Ir Prof LO, Irene

Ir AU, Elvis

Ir CHOI, C M

Ir IP, T Y

Ir LAM, C S

Ir LEE, Vincent

Ir WONG, Kenny

Ir Dr ZHOU, Shelley

Mr CHAN, Kevin

Ir LO, P C

Ir CHENG, Norman

Ir Dr GBAGUIDI, Alex

Ir KWAN, Anthony

Ir LEE, Stephen

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Ir YUEN, Andrew

Ms CHAN, Jacqueline

Mr LAM, Benjamin

SUPPORTING ORGANIZATIONS

Academic

- City University of Hong Kong, School of Energy and Environment
- Hong Kong Baptist University, Asian Energy Studies Centre
- Technological and Higher Education Institute of Hong Kong
- The Chinese University of Hong Kong, School of Life Sciences
- The Hong Kong Institute of Education, Centre for Education in Environmental Sustainability
- The Hong Kong Polytechnic University, Department of Civil and Environmental Engineering
- The Hong Kong University of Science and Technology, Department of Civil & Environmental Engineering
- The Open University of Hong Kong, School of Science and Technology
- The University of Hong Kong, Department of Civil Engineering

Non-academic

- Consulate General of Canada in Hong Kong
- Netherlands Consulate General in Hong Kong SAR and Macao SAR China
- ASHRAE Hong Kong Chapter
- Business Environment Council
- Chartered Institution of Water and Environmental Management - Hong Kong Branch
- Construction Industry Council
- Environment Bureau, The Government of the HKSAR
- Engineers Australia Hong Kong Chapter
- Federation of Hong Kong Industries
- Friends of the Earth (HK)
- Green Council
- Hong Kong Association of Energy Engineers
- Hong Kong Construction Association
- Hong Kong Environmental Industry Association
- Hong Kong General Chamber of Commerce
- Hong Kong Green Building Council
- Hong Kong Green Strategy Alliance
- Hong Kong Science and Technology Parks Corporation
- Hong Kong Waste Management Association
- Institution of Mechanical Engineers - Hong Kong Branch
- New Zealand Chamber of Commerce in Hong Kong
- Society of Operation Engineers, Hong Kong
- The Chinese General Chamber of Commerce
- The French Chamber of Commerce and Industry in Hong Kong
- The Hong Kong Air Conditioning and Refrigeration Association

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- Superpower Pumping Engineering Co Ltd
- The Hongkong Electric Co Ltd
- The Jardine Engineering Corporation Ltd
- Wai Luen Development Ltd

PROGRAMME

8:45 - 9:05am	Registration
9:05 - 9:10am	Welcome Remarks Ir Kelvin TANG, Chairman of the Organising Committee
9:10 - 9:15am	Opening Address Ir Chi-chiu CHAN, President, The Hong Kong Institution of Engineers
9:15 - 9:40am	Keynote Address Mr Kam-sing WONG, JP, Secretary for the Environment, Environment Bureau, The Gov't of the HKSAR
9:40 - 10:05am	Keynote Address - Shaping a Better World with Green Living Ir Dr the Hon Wai-kiok LO, SBS, MH, JP Legislative Councillor (Engineering Functional Constituency), HKSAR
10:05 - 10:30am	Keynote Address Professor Dadi ZHOU, Director General Emeritus and Senior Researcher of the Energy Research Institute of the National Development and Reform Commission of China 中國氣候變化專家委員會委員、國家發改委能源研究所原所長 周大地教授
10:30 - 11:00am	Coffee Break

Session I – Climate Resilience and Challenges	
Chaired by Ir Professor Irene LO, Immediate Past Chairlady, The HKIE Environmental Division	
11:00- 11:20am	Adapting Climate Risks – CLP’s Experience Mr Simeon CHENG, Senior Manager – Group Environment, CLP Holdings Ltd Ir Alex WONG, Deputy Director - Safety, Health, Environment & Quality (Generation), CLP Power Hong Kong Ltd
11:20 - 11:40am	Damage Assessments of Coastal Flooding for Hong Kong and the Pearl River Delta due to Climate Change-Related Sea-Level Rise Professor Alexis LAU Director, Atmospheric Research Center, The Hong Kong University of Science and Technology
11:40 - 12:00 noon	Discussion
12:00 - 1:30pm	Lunch Break
Session II – Development of Low-Carbon Infrastructure	
Chaired by Ir Elvis AU, Deputy Chairman, The HKIE Environmental Division	
1:30 - 1:50pm	Towards Low-Carbon Hong Kong: HK Electric’s Experience on Renewable Energy Development Ir C K LAU, General Manager (Projects), The Hongkong Electric Co Ltd
1:50 - 2:10pm	Accelerating Carbon Reductions through Multi-stakeholder Engagement at Hong Kong International Airport Ir Sophia LAU, Manager, Environment, Airport Authority Hong Kong
2:10 - 2:30pm	Discussion
2:30 - 2:50pm	Coffee Break
Session III - Urban Mobility Decarbonizing	
Chaired by Ir Kenny WONG, Past Chairman, The HKIE Environmental Division	
2:50 - 3:10pm	The Promotion of Electric Vehicles in Hong Kong - Policy and Measures Mr Wai-chuen MOK, JP, Assistant Director (Air Policy), Environmental Protection Department, HKSARG
3:10 - 3:30pm	Development of Electric Vehicles and Batteries Ir Professor Eric CHENG Department of Electrical Engineering, The Hong Kong Polytechnic University
3:30 - 3:50pm	Policies for Promoting Local Use of Green and Low Carbon Footprint Fuel in Hong Kong Ir Roberto VAZQUEZ, Acting CEO, ASB Biodiesel (HK) Ltd
3:50 - 4:10pm	Discussion
Session IV - Carbon Pricing and Market	
Chaired by Ir Shelley ZHOU, Committee Member, The HKIE Environmental Division	
4:10 - 4:30pm	Global Experience in Carbon Pricing: Potential Implications for Mainland China and Hong Kong Mr Joshua HODGE, Deputy Executive Director for Resource Development, Joint Program and Center for Energy and Environmental Policy Research (CEEPR), Massachusetts Institute of Technology (MIT)
4:30 - 4:50pm	Minimising the Cost of Hong Kong Making an Appropriate contribution to Global GHG Mitigation Mr Robert GIBSON, Fellow of Civil Exchange
4:50 - 5:10pm	Discussion
5:10 - 5:15pm	Closing Remarks Ir P C LO, Chairman, The HKIE Environmental Division

REGISTRATION FORM

The HKIE Environmental Division Annual Forum

“Hong Kong’s Role in Low Carbon Development: Challenges and Way Forward”

Monday, 18 April 2016 (9:00am – 5:30pm)

Theatre II, Hong Kong Convention & Exhibition Centre

1 Expo Drive, Wanchai, Hong Kong

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

Company : _____ Position: _____

Tel : _____ Email : _____

	Registration Fee	Registration (please “√” as appropriate)
Early-Bird Registration (on or before 18 Mar 2016)	Members of The HKIE and Supporting Organizations : \$650	()
	Non-Members : \$800	()
Full Registration (after 18 Mar 2016)	Members of The HKIE and Supporting Organizations : \$800	()
	Non-Members : \$950	()
* HKIE Graduate Members	\$400	()

Remarks :

- The fee includes a copy of Forum proceedings and coffee breaks. Lunch is not included.
- * 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 or fax, 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 Centre for Research & Professional Development

Office A 12/F Billion Plaza 2, 10 Cheung Yue Street, Kowloon, Hong Kong

Tel : 2796 1638 ; Fax : 2104 0052 ; Email : info@crpd-hk.com

Event website: sites.google.com/site/evdaf2016