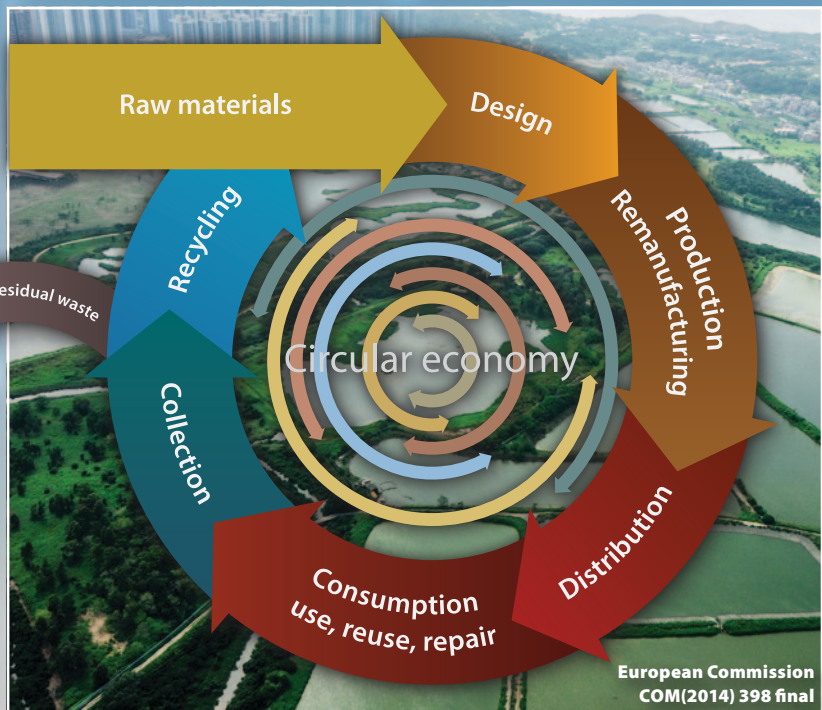


# The Future Directions and Breakthroughs of Hong Kong's Environmental Industry

## 香港環保產業 — 突破發展 引領未來



Friday, 17 April 2015  
Hong Kong Convention & Exhibition Centre

## INTRODUCTION

Internationally, in recent years, the drive for environmental quality, energy sustainability and efficiency, green economy, low carbon society and circular economy has spurred significant growth of environmental industry around the world. Such environmental industry momentum and the world environmental industry market will remain strong in the coming years and will present challenges and opportunities for Hong Kong.

In China, 12th Five Year Plan has placed great emphasis on the development of environmental industry covering environmental control technologies, environmental infrastructure projects, energy technologies, and products and services for circular economy. A major new environmental law in China was promulgated in May this year. The coming 13th five year plan is now being formulated and environmental industry is likely to remain a major policy driver of the national development. The future development of environmental industry in China will create enormous opportunities for Hong Kong.

In Hong Kong, the Government is promoting the development of green economy and is spearheading various major environmental programmes and infrastructure investments. For instance, the Innovation Technology Fund and the new Recycling Fund would continue to support the future development of environmental industry and various environmental infrastructure projects are at different stages of planning and implementation. Also in Asia and Europe, the principle of circular economy is being vigorously pursued. For instance, Netherlands Government has promulgated their action plan on circular economy to further promote the development of environmental industry and Fung Global Institute has recently released its report on "Towards a Circular Economy in Asia".

In the light of the above trends and developments and in order to position Hong Kong to seize opportunities available, it is opportune for our Division to promote and facilitate the discussion on the future direction of environmental industry in Hong Kong by bringing together various stakeholders including professionals and experts, academics and research institutions, businesses and policy makers.

The Forum comprises the keynote session and four other sessions including (1) Regional perspectives and experiences on environmental industry; (2) Green business in Hong Kong; and (3) Circular economy as a cross-cutting policy driver for growth and development of environmental industry. (4) A closing panel discussion on future direction of environmental industry in Hong Kong.

## ORGANIZING COMMITTEE

Chairman: Ir AU, Elvis

Members: Ir Prof LO, Irene  
Ir IP, T Y  
Ir CHOI, C M  
Ir KWAN, Anthony  
Ir LAM, C S  
Ir LEE, Stephen  
Ir YUEN, Andrew  
Ms CHAN, Jacqueline  
Ms LEUNG, Catherine

Ir LO, P C  
Ir CHENG, Norman  
Ir Dr GBAGUIDI, Alex  
Ir LAM, C F  
Ir LEE, P K  
Ir WONG, Kenny  
Ir Dr ZHOU, Shelley  
Mr LAM, Benjamin



## SUPPORTING ORGANIZATIONS

### *Academic*

- City University of Hong Kong, School of Energy and Environment
- Hong Kong Institute of Education, Centre for Education in Environmental Sustainability
- Hong Kong Polytechnic University, Department of Civil and Environmental Engineering
- Hong Kong University of Science and Technology, Department of Civil & Environmental Engineering
- University of Hong Kong, Department of Civil Engineering
- Technological and Higher Education Institute of Hong Kong (THEi)

### *Non-academic*

- Business Environment Council
- Canadian Chamber of Commerce
- Chartered Institution of Water and Environmental Management - Hong Kong Branch
- Chinese General Chamber of Commerce
- Chinese Manufacturers' Association of Hong Kong
- Consulate General of Canada in Hong Kong
- Consulate General of Switzerland in Hong Kong
- Council for Sustainable Development
- Environment Bureau, The Government of the HKSAR
- European Chamber of Commerce in Hong Kong
- Federation of Hong Kong Industries
- French Chamber of Commerce & Industry
- Green Council
- 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
- Netherlands Consulate General in Hong Kong SAR and Macao SAR China
- Society of Operation Engineers, Hong Kong

## SPONSORS

### Platinum Sponsor

- AECOM
- CLP Power Hong Kong Ltd
- SITA Waste Services Limited
- South China Reborn Resources (Zhongshan) Company Limited
- Swire Properties Ltd

### Gold Sponsor

- Consulate General of the Netherlands
- Kum Shing Group
- The Hongkong Electric Co Ltd

### Silver Sponsor

- Alliance Construction Materials Ltd
- Associated Engineers, Limited
- ATAL Engineering Ltd
- Dunwell Enviro-Tech (Holdings) Ltd
- Hsin Chong Aster Building Services Ltd
- Mott MacDonald Hong Kong
- MTR Corporation Ltd
- The Hong Kong & China Gas Co Ltd
- The Hong Kong Jockey Club
- Yau Lee Holdings Ltd

## PROGRAMME

8:45 - 9:00am	Registration
9:00 - 9:05am	Welcome Remarks - Ir Elvis Au, Chairman of the Organizing Committee
9:05 - 9:15am	Opening Address - Ir Victor Cheung, President, The Hong Kong Institution of Engineers
9:15 - 9:35am	Keynote Address Mr Wong Kam-sing, JP, Secretary for the Environment, Environment Bureau, The Gov't of the HKSAR
9:35 - 9:55am	Keynote Address Ir Dr the Hon Lo Wai-ki, BBS, MH, JP, Legislative Councillor (Engineering Functional Constituency), HKSAR
9:55 - 10:15am	Keynote Address - Moving Towards a Circular Economy in the Netherlands: Challenges and Directions Professor dr. Jacqueline Cramer, Former Netherlands Minister of Housing, Spatial Planning and the Environment in 2007-2010 and Director of the Utrecht Sustainability Institute, Utrecht University
10:15 - 10:35am	Coffee Break

<b>Session I – Regional Perspectives and Experiences on Environmental Industry</b> <b>Chaired by Ir P C Lo, Deputy Chairman, The HKIE Environmental Division</b>	
10:35 - 10:55am	<b>The Resource Recycling and Green Technologies in Taiwan</b> Dr Harvey HOUNG, Senior Advisor, Environmental Protection Administration, Taiwan
10:55 - 11:15am	<b>Zero-Liquid-Discharge in China, Opportunities for Hong Kong</b> Ir Daniel Cheng, Chairman, Environmental Industry Association
11:15 - 11:35am	<b>Current status and Prospects of Environmental Industry in Korea</b> Mr Chang Lee, General Director, Korea Environment Corporation
11:35 - 11:55am	<b>Discussion</b>
11:55 - 1:30pm	<b>Lunch Break</b>
<b>Session II – Green Business in Hong Kong</b> <b>Chaired by Ir C F Lam, Past Chairman, The HKIE Environmental Division</b>	
1:30 - 1:50pm	<b>Smart City and Sustainability Challenges for the Environmental Industry in Hong Kong - A Science Park's Perspective</b> Mr Allen Ma, Chief Executive Officer, Hong Kong Science and Technology Parks Corporation
1:50 - 2:10pm	<b>Turning Green Building into Business Opportunities</b> Ir Conrad Wong, BBS, JP, Chairman, The Hong Kong Green Building Council
2:10 - 2:30pm	<b>Turning Waste to Eco-construction Materials – Technological and Commercial Considerations in Hong Kong</b> Ir Professor Poon Chi Sun, Professor, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University
2:30 - 2:50pm	<b>Discussion</b>
2:50 - 3:10pm	<b>Coffee Break</b>
<b>Session III - Circular Economy as a Cross-cutting Driver for Growth and Development of Environmental Industry</b> <b>Chaired by Ir Norman Cheng, Co-opted Member, The HKIE Environmental Division</b>	
3:10 - 3:30pm	<b>From Conception to Maturation – Developing an Environmental Business by Transforming Municipal Waste Streams into Aviation Biofuel</b> Mr Jeff Ovens, Biofuel Manager, Cathay Pacific Airways Ltd
3:30 - 3:50pm	<b>Business and Societal Value of the Circular Economy</b> Mr Art de Boo, Business Line Manager Sustainable Chemicals, Dutch Applied Research Institute (TNO)
3:50 - 4:10pm	<b>The Circular Economy in Asia and Its Relationship to the Environmental Industry</b> Dr Thomas S K Tang, Director, Corp Sustainability, Asia, AECOM
4:10 - 4:30pm	<b>Sustainable Development and Efficiency as Drivers for the Circular Economy - The Case of the Swiss Building Sector</b> Mr Erdjan Opan, Chief Executive Officer, OPAN Concept SA and Member of the Energy Advisory Board, Swiss Society of Engineers and Architects
4:30 - 4:50pm	<b>Discussion</b>
<b>Session IV - Closing Dialogue Among a Panel of Key Players</b>	
4:50 - 5:30pm	<b>Chaired by :</b> Professor John Chai, Chairman, Business Environment Council <b>Panel Members:</b> Ir Daniel Cheng, Chairman, Environmental Industry Association Ir Dr Otto Poon, Chairman, ATAL Engineering Ltd Professor Dr Gerhard Schmitt, Professor for Information Architecture, Founding Director of the Singapore-ETH Centre and Senior Vice President for ETH Global
5:30 - 5:35pm	<b>Closing Remarks</b> Ir Professor Irene Lo, Chairlady, The HKIE Environmental Division

## REGISTRATION FORM

The HKIE Environmental Division Annual Forum  
The Future Directions and Breakthroughs of Hong Kong's Environmental Industry  
香港環保產業 – 突破發展 引領未來

Friday, 17 April 2015 (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 17 Mar 2015)	Members of The HKIE and Supporting Organizations : \$650	( )
	Non-Members : \$800	( )
Full Registration (after 17 Mar 2015)	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](mailto:info@crpd-hk.com)

Event's website: <https://sites.google.com/site/hkieevd2015/home>