

# Annual Seminar

## Hong Kong Energy Challenges & Solutions



9 April 2014, HKCEC

**HK**  **E** THE HONG KONG  
INSTITUTION OF ENGINEERS  
香港工程師學會

Environmental Division  
環境分部

## INTRODUCTION

Meeting the growth in demand for energy in a sustainable manner and combating climate change are not easy. There are many factors for consideration such as energy prices, technologies availability, supply reliability and environmental concerns. To build a low carbon future and meet our aspirations for a quality life, collaborative effort and support must be taken to address all these challenges and devise practical solutions.

The Seminar aims to provide a platform for engineers, government officials, subject experts, academics and other professionals to share their valuable experience and practices, either locally or internationally. The Seminar will discuss the importance of energy challenges and the associated technologies and solutions to build a sustainable energy future.

The Seminar comprises three sessions, namely energy challenges, policies and technologies & solutions. Topics under consideration include Energy & Climate; Regional Energy Development; HK Energy Development and Challenges; Energy Security & Sustainability; Power Market Regulation / Deregulation; Technologies Innovation & Transformation; Environmental Technologies and Engineering Solutions.

## SUPPORTING ORGANISATIONS

- BEAM Society Ltd
- Business Environment Council
- Construction Industry Council
- Council for Sustainable Development
- Electrical Division, The Hong Kong Institution of Engineers
- Energy Institute (Hong Kong Branch)
- Environment Bureau, The Government of the HKSAR
- Gas & Energy Division, The Hong Kong Institution of Engineers
- Green Council
- Hong Kong Association of Energy Engineers
- Hong Kong Green Building Council
- Hong Kong Green Strategy Alliance
- Institution of Mechanical Engineers - Hong Kong Branch
- Professional Green Building Council
- Society of Operation Engineers, Hong Kong
- The Chartered Institution of Water and Environmental Management - Hong Kong Branch
- The Hong Kong Association for the Advancement of Science & Technology
- The Hong Kong Institute of Environmental Impact Assessment

## SPONSORS

### Platinum Sponsors

- CLP Power Hong Kong Ltd
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- Gammon Construction Ltd
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## PROGRAMME

8:45 – 9:00am	<b>Registration</b>
9:00 – 9:05am	<b>Welcome Remarks</b> Ir P C LO, Chairman of the Organizing Committee
9:05 – 9:15am	<b>Opening Address</b> Ir Raymond CHAN Kin-sek, BBS, President, The Hong Kong Institution of Engineers
9:15 – 9:40am	<b>Keynote Address</b> Mr WONG Kam Sing, JP, Secretary for the Environment Environment Bureau, The Government of the HKSAR
9:40 – 10:05am	<b>Keynote Address</b> Ir Dr Hon LO Wai-kwok, BBS, MH, JP Legislative Councillor (Engineering Functional Constituency), HKSAR
10:05 – 10:30am	<b>Coffee Break</b>
<b>Section I – Challenges</b>	
<i>Chaired by Ir Professor Irene LO, Deputy Chairman, The HKIE Environmental Division</i>	
10:30 – 10:55am	UNFCCC COP19 – Key Messages & Implications for Energy & Climate Dr Jeanne NG, Director – Group Sustainability, CLP Power Hong Kong Ltd
10:55 – 11:20am	PM <sub>2.5</sub> and Haze in China: Current Situation and Future Challenges Professor Tao WANG, Coordinator, Division of Urban Environment, Research Institute for Sustainable Urban Development, The Hong Kong Polytechnic University
11:20 – 11:45am	The Nexus of Regulation, Emissions Reduction, and Energy Development Ir T C YEE, General Manager (Corporate Development), The Hongkong Electric Co Ltd
11:45 -12:10pm	<b>Discussion</b>
12:10 – 1:30pm	<b>Lunch Break</b>
<b>Section II – Policies</b>	
<i>Chaired by Ir Elvis AU, JP, Committee Member, The HKIE Environmental Division</i>	
1:30 – 1:55pm	Energy Security and Sustainability in Hong Kong Professor Raymond SO Wai-man, Chairman, Energy Advisory Committee
1:55 – 2:20pm	The Evolution of Electricity Markets In Alberta, Canada and its relevance to HK's Electric Industry Mr Raymond LEE, Senior Advisor, Alberta Utilities Commission (AUC)
2:20 – 2:45pm	Review the History of Deregulated Markets Mr Steven MARTIN, Asia-Pacific Sales Manager, Bloomberg New Energy Finance
2:45 – 3:05pm	<b>Discussion</b>
3:05 – 3:30pm	<b>Coffee Break</b>
<b>Section III – Technologies &amp; Solutions</b>	
<i>Chaired by Ir P K LEE, JP, Honorary Secretary, The HKIE Environmental Division</i>	
3:30 – 3:50pm	Fuel Cells for Sustainable Energy Future Professor Tianshou ZHAO, Chair Professor of Mechanical & Aerospace Engineering Director of the HKUST Energy Institute, The Hong Kong University of Science and Technology
3:50 – 4:10pm	From Sewage to Energy Mr Kenneth S K SHE, Assistant Director Drainage Services Department, The Government of the HKSAR
4:10 – 4:30pm	Landfill Gas Commercial Utilization in Hong Kong Ir Chris W C MAN, General Manager - Gas Production, The Hong Kong & China Gas Co Ltd
4:30 – 4:50pm	Riding Green with Efficiency to a Sustainable Future Ir Ronald CHENG, General Manager – Technical & Engineering Services, MTR Corporation Ltd
4:50 – 5:10pm	<b>Discussion</b>
5:10 – 5:15pm	<b>Closing Remarks</b> Ir TY IP, Chairman of The HKIE Environmental Division

## REGISTRATION FORM

The HKIE Environmental Division Annual Seminar

**"Hong Kong Energy Challenges & Solutions"**

Wednesday, 9 April 2014 (9:00am – 5:30pm)

Theatre II, Hong Kong Convention & Exhibition Centre

1 Expo Drive, Wanchai, 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 15 Mar 2014)	Members of The HKIE and Supporting Organisations : \$600	( )
	Non-Members : \$750	( )
Full Registration (after 15 Mar 2014)	Members of The HKIE and Supporting Organisations : \$750	( )
	Non-Members : \$900	( )
* HKIE Graduate Members	\$350	( )

### Remarks :

- The fee includes a copy of seminar 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 Seminar Secretariat,

**c/o Centre for Research & Professional Development**

7/F Sun Kwong Industrial Building, 1059-1061 Tung Chau West Street, Kowloon, Hong Kong

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Event's website: <https://sites.google.com/site/hkieevd2014/home>