

# 5<sup>th</sup> International Conference on Energy - Sustainable Energy Policies and Technologies

15-17 October 2014

Wei Hing Theatre, City University of Hong Kong  
Hong Kong Special Administrative Region, People's Republic of China

## Background

Our high consumption of energy and increasing demand have intensified energy resource depletion, air pollution and climate change challenges. Energy professionals are actively developing and implementing effective mitigation measures, such as clean energy production, renewable energy, high energy efficiency, sustainable energy policies, among others. The energy industry is highly dynamic with emerging technologies and innovations. The conference will bring international energy experts together for knowledge and experience sharing.


## Objectives

- to raise knowledge of latest energy technologies, policies, future challenges and developments;
- to promote academic and professional exchange in sustainable energy policies and technologies with international experts.

## Target Audiences

Energy professionals, engineers, consultants, government officials, policy makers, scientists, researchers and academics.

## Information

<b>Date</b>	15-16 October 2014 (Wednesday & Thursday)		
<b>Venue</b>	Wei Hing Theatre, 6th Floor, Amenities Building, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong		
<b>Language</b>	English		
<b>Registration Fee</b>	Regular	HK\$1,700/GBP131	covers: - 2-day conference presentations - Conference material - Tea breaks & lunches
	Member/Student Rate *	HK\$1,500/GBP116	
	* A HK\$200/GBP15 discount is offered to members of all grades of the Organizers, Co-organizers and Supporting Organizations and students		
<b>CPD</b>	Attendance certificates will be issued upon request.		
<b>Registration &amp; Payment</b>	Please register through the on-line system at the link <a href="http://goo.gl/d9yhAK">http://goo.gl/d9yhAK</a> . An acknowledgement together with payment instructions will be issued upon registration. Enrolment will be confirmed only after receipt of payment.		
<b>Registration Deadline</b>	8 October 2014		

## Organizers



## Co-organizers



## Sponsors



## Supporting Sponsors



## Supporting Organizations

- The American Society of Heating, Refrigerating and Air-Conditioning Engineers Hong Kong Chapter
- Asian Institute of Intelligent Buildings
- BEAM Society
- British Consulate General
- Building Services Operation and Maintenance Executives Society
- Business Environment Council
- The Chartered Institute of Plumbing and Heating Engineering - Hong Kong Branch
- The Chartered Institution of Building Services Engineers, Hong Kong Branch
- CIE Hong Kong
- Electrical and Mechanical Services Department, The Government of the HKSAR
- Environmental Protection Department, The Government of the HKSAR
- Hong Kong Air Conditioning and Refrigeration Association
- The Hong Kong Association of Property Management Companies
- The Hong Kong Federation of Electrical and Mechanical Contractors Limited
- The Hong Kong Green Building Council
- Hong Kong Institute of Facility Management
- The Hong Kong Institution of Engineers - Building Services Division
- The Hong Kong Institution of Engineers - Environmental Division
- The Hong Kong Institution of Engineers - Gas & Energy Division
- Department of Building Services Engineering, The Hong Kong Polytechnic University
- The Institution of Mechanical Engineers (Hong Kong Branch)
- International Facility Management Association (Hong Kong Chapter)
- The Society of Operations Engineers (Hong Kong Region)
- Department of Mechanical Engineering, The University of Hong Kong
- Macau Energy Saving Association, Macau

## Conference Steering Committee:

**Chairman:** Ir Dr Otto POON, Chairman, Advisory Committee,  
School of Energy and Environment, City University of Hong Kong  
**Members :** Ir Cary CHAN, Swire Properties Limited  
Ir Dr HF CHAN, Cinotech Consultants Limited  
Prof Johnny CHAN, City University of Hong Kong  
Ir SH CHAN, CLP Holdings Limited  
Ir TC CHEW, MTR Corporation Limited  
Ir Edmund KH LEUNG, Past Chairman, Energy Advisory Committee,  
HKSAR Government  
Ir Simon NGO, The Hong Kong and China Gas Company Limited  
Ir CT WAN, Power Assets Holdings Ltd

## Conference Organizing Committee:

**Convenor:** Ir Dr HF CHAN, Cinotech Consultants Limited  
**Members :** Ir Joseph CHAN, Electrical and Mechanical Services Department  
Ir Gary CHIANG, CLP Power Hong Kong Limited  
Ir Colin CHUNG, Parsons Brinckerhoff (Asia) Limited  
Ir Raymond FONG, Hong Kong Productivity Council  
Mr IP Shing Wai, Ip Tim Electrical Engineering Co. Ltd.  
Ir Prof Dennis LEUNG, The University of Hong Kong  
Ir KT LEUNG, Global Green Energy and Environmental Consultants  
Ir Dr Michael LEUNG, City University of Hong Kong  
Ir Dr Vivien LU, The Hong Kong Polytechnic University  
Dr Julian WHITE, White Rose University Consortium

## Programme

### 15 October 2014 (Wednesday) [Day 1]

8:30 - 9:00	<b>REGISTRATION</b>
9:00 - 9:10	<b>Welcome Speech</b> • Ir Dr Otto POON, Chairman, Conference Steering Committee, Hong Kong
9:10 - 9:30	<b>Keynote Address</b> • Mr WONG Kam-sing, JP, Secretary for the Environment, HKSAR Government, Hong Kong
9:30 - 10:00	<b>Keynote Speech: Sustainable Energy</b> • Prof Jim SKEA, CBE FEL, Vice President, Energy Institute, UK
10:00 - 10:10	<b>Group Photo Taking</b>
10:10 - 10:30	<b>TEA BREAK</b> <b>Theme: Low-carbon Policies and Strategies</b> Session Chairman: Ir Dr H F CHAN, Honorary Advisor, Energy Institute Hong Kong
10:30 - 11:00	<b>Energy Policy in the United Kingdom</b> • Prof Peter TAYLOR, Centre for Integrated Energy Research, University of Leeds, UK
11:00 - 11:30	<b>Energy Policy in China</b> • Prof Shandong TU, Vice President, East China University of Science and Technology, PRC
11:30 - 12:00	<b>Asia-Pacific Energy Policy in the Post-2015 Low-Carbon Future</b> • Prof S K CHOU, Professor, National University of Singapore, Singapore
12:00 - 12:30	<b>Q &amp; A session</b>
12:30 - 14:00	<b>LUNCH</b> <b>Theme: Renewable Energy and Low-carbon Technologies</b> Session Chairman: Ir Prof Dennis LEUNG, Honorary Advisor, Energy Institute Hong Kong
14:00 - 14:30	<b>Carbon Capture and Storage</b> • Dr Kris MILKOWSKI, PACT Business Development Manager, UKCCSRC PACT, UK
14:30 - 15:00	<b>Solar Energy - New Development and Future Trend</b> • Prof Hongxing YANG, Professor, The Hong Kong Polytechnic University, Hong Kong
15:00 - 15:30	<b>Ocean Energy Resource Assessment Technique and Procedure for Theoretical, Geographical, Technical and Market Potentials</b> • Prof Chul Hee JO, Professor, Inha University, South Korea
15:30 - 16:00	<b>TEA BREAK</b>
16:00 - 16:30	<b>Building a Bioeconomy Cluster</b> • Dr Joe ROSS, Director, Biorenewables Development Centre, University of York, UK
16:30 - 17:00	<b>Energy Innovation in Renewable Energy</b> • Mr Jon PRICE, Director of Energy Innovation & Knowledge Exchange, University of Sheffield, UK
17:00 - 17:30	<b>Q &amp; A session</b>

### 16 October 2014 (Thursday) [Day 2]

8:30 - 9:00	<b>REGISTRATION</b> <b>Theme: Energy Efficiency</b> Session Chairman: Ir Colin CHUNG, Immediate Past President, The Hong Kong Association of Energy Engineers / Past Chairman, Energy Institute Hong Kong
9:00 - 9:30	<b>Building Energy Reduction, How Far We Can Go?</b> • Ir Conrad WONG Tin-cheung, BBS, JP, Chairman, Hong Kong Green Building Council, Hong Kong
9:30 - 10:00	<b>Intelligent Transport Systems</b> • Dr Susan GRANT-MULLER, Senior Lecturer, Institute for Transport Studies, University of Leeds, UK
10:00 - 10:30	<b>District Cooling System - Applications &amp; Limitations</b> • Ir Chris CHONG, Mr Dickson NG and Mr Kenley CHAN, Hong Kong District Cooling Company Limited, Hong Kong
10:30 - 11:00	<b>TEA BREAK</b>
11:00 - 11:30	<b>Chilled Ceilings / Beams - Working Principles &amp; Applications</b> • Dr Francis W H YIK, ATAL Building Services Engineering Ltd., Hong Kong
11:30 - 12:00	<b>The Role of Buildings in Smart Grid</b> • Prof Shengwei WANG, Chair Professor, The Hong Kong Polytechnic University, Hong Kong
12:00 - 12:30	<b>Q &amp; A session</b>
12:30 - 14:00	<b>LUNCH</b> <b>Theme: New and Emerging Energy Technology</b> Session Chairman: Dr Julian WHITE, Chief Executive, White Rose University Consortium, UK
14:00 - 14:30	<b>Environmental Friendly Technology in Extracting Shale Gas</b> • Ir Dr Otto POON, Chairman, Advisory Committee, School of Energy and Environment, City University of Hong Kong, Hong Kong
14:30 - 15:00	<b>Bioenergy</b> • Mr Roberto VAZQUEZ, Chief Technology Officer, ASB Biodiesel, Hong Kong
15:00 - 15:30	<b>Demonstration Experiments of Floating Offshore Wind Power Generation in Hakata Bay</b> • Prof Yusaku KYOZUKA, Professor, Kyushu University, Japan
15:30 - 16:00	<b>TEA BREAK</b>
16:00 - 16:30	<b>Commercializing of FC Light Electric Vehicle</b> • Mr Jeffrey HUANG, Chairman, Asia Pacific Fuel Cell Technologies, Taiwan
16:30 - 17:00	<b>Battery Capacity: How High Can We Reach?</b> • Dr Denis YU, Assistant Professor, City University of Hong Kong, Hong Kong
17:00 - 17:30	<b>Q &amp; A session</b>

### Post-conference Event

### 17 October 2014 (Friday) [Day 3]

**Workshops - Parallel Sessions for Invited Participants to Explore Research Collaboration**  
Workshop 1 - Bio Energy  
Workshop 2 - Offshore Renewable Energy  
Workshop 3 - Energy Policy

The programme details are subject to change without further notice.

Enquiries: Ms Amanda KWOK [Tel: (852) 3620 3364; Email: amandakwokage@gmail.com]  
Ms Winnie LO [Tel: (852) 3442 9693; Email: puiyanlo2@cityu.edu.hk]