

# ICAE'09

## The First International Conference On Applied Energy 5 –7 January 2009, The University of Hong Kong

### From the conference chairman

The organizing committee of ICAE'09 – International Conference on Applied Energy is pleased to invite you to participate in the ICAE to be held in January 2009 in Hong Kong. ICAE'09 will provide an unique platform for worldwide scientists, industrialists and the governmental decision-makers to discuss the advances of the science and technology in applied energy as well as the energy-related policies.

The main objectives of the conference are as follows:

To gather experts in applied energy technology from academia and industries around the world, especially in the Asia-Pacific region; To form network of energy technology scientists to facilitate interdisciplinary research and collaboration among researchers in engineering, chemistry, physics and materials science; To strengthen connection between academia and industry to facilitate application of advanced energy technologies; To seek policy support from the government to develop and promote energy technologies.

Professor Dennis Y.C. Leung  
Chair  
ICAE'09

### Conference Topics:

#### Renewable and green energy systems

- Biomass, wind and solar energy resources and technologies
- Alternative energy technologies and sources
- Fuel cells and hydrogen energy
- Energy storage technologies

#### Advanced Energy Systems

- Advanced power generation, transmission and automation
- Distributed energy systems
- Polygeneration systems
- Energy efficiency and management
- Energy process and system modeling and optimization
- Combined heat and power technologies

#### Energy, Environment and Sustainability

- Climate change mitigation technologies
- Pollutant emission control and abatement
- Energy and sustainable development
- Energy policy, economics, and planning
- Energy security and risk assessment
- Environmental impacts of energy systems

#### Energy Conservation in Building

- Sustainable buildings
- Green roof
- Green buildings
- Heat pump
- HVAC and natural ventilation
- Energy audit

*The conference will be held for 3 days and consists of the following programs:*

Plenary and keynote speeches  
Technical visit

Oral presentations

### Organizer



The University of Hong Kong

### Co-organizers



The H.K. Polytechnic University



The H.K. University of Science and Technology



The Energy Institute (Hong Kong Branch)



MÄLARDALEN UNIVERSITY SWEDEN

### Supporting organizations

The Hong Kong Productivity Council (HKPC)  
Hong Kong Association of Energy Engineers (HKABE)



Royal Institute of Technology Sweden



Gas & Energy Division,  
The H.K. Institution of Engineers

### Sponsors

The China Light & Power Co., Ltd.  
The Hong Kong & China Gas Co., Ltd.  
The Hong Kong Electric Co., Ltd.

## Invited speakers:

Prof. Ibrahim Dincer  
 Professor, Faculty of Engineering and Applied Science, University of  
 Ontario Institute of Technology (UOIT), Canada  
 Topic: Energy Efficiency or Deficiency

Mr. Anthony Lo  
 New Product Development Manager  
 Marketing & Customer Services Business Group, The CLP Holdings Ltd.  
 Topic: New Energy Efficiency Promotion Programme

Prof. G.Q. Max Lu  
 Pro-Vice-Chancellor, The University of Queensland;  
 Federation Fellow and Professor of Chemical Engineering in  
 Nanotechnology, Australia  
 Topic: Nanotechnology: Enabling Innovations for Hydrogen  
 Technologies

Prof. Z.Q. Mao  
 Chairman of China Association for Hydrogen Energy;  
 Professor, Tsinghua University, China  
 Topic: China National Standards on Hydrogen Energy & Fuel Cell in  
 2008

Dr. D. Natusch  
 Chairman of EWG Business Network, APEC Energy Working Group  
 Topic: APEC Energy Business Network Recommendations to Energy  
 Ministers

Mr. M.F. Sham  
 Head - Strategy Development  
 The Hong Kong and China Gas Company Limited  
 Topic: Efficient Utilization of Gas - the Energy for a Cleaner Future

Ir. Dr. C.W. Tso  
 General Manager (Projects) The Hong Kong Electric Co., Ltd.  
 Topic: From Production to Supply - Total Environmental Management of  
 Electricity

Prof. D.W. Wang  
 President, Taiwan Hydrogen and Fuel Cell Association;  
 President, Mingdao University, Taiwan.  
 Topic: Application of metal plasma ion implantation in surface activation of  
 TiO<sub>2</sub> for enhanced photo-catalysis reactions

### Tentative Program – ICAE09

Time/date	2009.01.05	Time/date	2009.01.06	Time/date	2009.01.07
08:00–09:00	Registration	08:00–09:00	Registration	08:00–09:00	Registration
09:00–09:30	Opening ceremony & Welcome speech	09:00–10:20	<b>Keynote lectures (2)</b> Theme: Clean Energy Technologies	09:00–10:20	<b>Keynote lectures (2)</b> Theme: Fuel Cell and Hydrogen Energy Technology
09:30–09:40	Souvenir presentation	10:20–10:40	Tea break	10:20–10:40	Tea break
09:40–11:00	<b>Keynote lectures (2)</b> Theme: Energy & Business	10:40–12:20	4 Parallel session (RE, AE, EC, EE)	10:40–12:20	4 Parallel session (RE,AE,EE,FC)
11:00–11:20	Tea break	12:20–14:00	Lunch	12:20–14:00	End of conference & Lunch
11:20–12:40	<b>Keynote lectures (2)</b> Theme: Energy Efficiency	14:00–15:40	4 Parallel session (RE, AE, EE, FC)		Technical visit tour
12:40–14:00	Lunch	15:40–16:00	Tea break		
14:00–15:40	4 Parallel session * (RE, AE, EC, FC)	16:00–17:40	4 Parallel session (RE, EC,EE,FC)		
15:40–16:00	Tea break				
16:00–17:40	4 parallel session (RE, AE, EC, FC)				
		19:00–22:00	Banquet		

\* Themes of the parallel sessions: Renewable and green energy systems (RE); Advanced energy systems (AE); Energy Conservation in buildings (EC); Fuel cells and hydrogen (FC); Energy, Environment and sustainable development (EE).

## Registration Form

**Registration fee (per person)**

Please tick as appropriate

\* For members from co-organizers and supporting organizations.

† Lunch and tea break provided

	Date	Member *	Non-member
Full program †	5 – 7 January 2009	HKD 1300 <input type="checkbox"/>	HKD 1600 <input type="checkbox"/>
2 Day program †		HKD 1100 <input type="checkbox"/>	HKD 1400 <input type="checkbox"/>
1 Day program †		HKD 800 <input type="checkbox"/>	HKD 1100 <input type="checkbox"/>
Banquet	6 January 2009	HKD 600 <input type="checkbox"/>	HKD 800 <input type="checkbox"/>

### Personal details

Title (Prof., Dr., Mr., Ms.) \_\_\_\_\_; Name: \_\_\_\_\_;

Job title: \_\_\_\_\_; Organization: \_\_\_\_\_;

Tel: \_\_\_\_\_; Fax: \_\_\_\_\_;

Email: \_\_\_\_\_;

Institution and membership no.: \_\_\_\_\_

### Contacts:

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