



# International Conference on Advanced Technology in Energy for a Better Environment

7 March 2011  
Jockey Club Auditorium  
The Hong Kong Polytechnic University, Hong Kong

\*Event Sponsor



Co-organizers



Hong Kong Section

機電工程署  
EMSD



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International Conference on

# Advanced Technology in Energy for a Better Environment

7 March 2011, Jockey Club Auditorium, The Hong Kong Polytechnic University, Hong Kong

## Objective of Engineering Week 2011

The objective of the Engineering Week 2011 (EW2011) is to bring out the collective contribution of various engineering professions and to promote them as disciplines for the good of the community of Hong Kong. This is particularly important among the young generation, whose attraction to the professions is critical in ensuring continuous engineering excellence to help drive our world forward. Engineering is much more relevant to our daily lives than perhaps it is given credit for. Considering the macro and local issues faced by the community, EW2011 will focus on energy, transport and the environment, exploring and showcasing possible, often fun and innovative engineering solutions!

## Objective of Conference

The International Conference is one of the flagship events of Engineering Week 2011 and it aims to provide a forum where the participants, including policy makers, transport system planners, government officers, consultants, engineering professionals, academic and research staff of universities, transportation service providers and staff of power utility companies, will be able to share views and experiences and keep abreast of the latest technological developments related to "Energy for a Better Environment". The ultimate objective of this International Conference is to enhance the image of the mechanical engineering profession.

## The Programme

### Welcome Address

Prof. Timothy W. TONG (Chairman, International Conference Organizing Committee)

### Opening Address

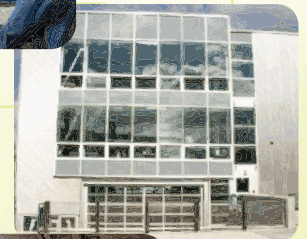
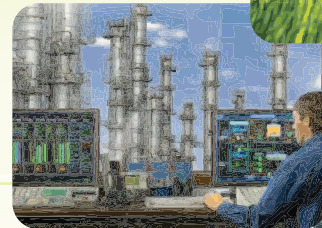
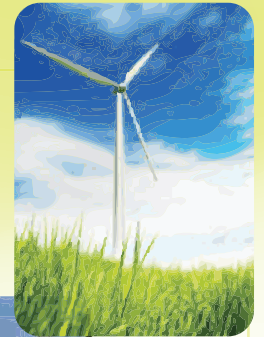
Mr. Edward YAU Tang Wah, JP (Secretary for the Environment Bureau of HKSAR Government)

### Keynote Session

- Mr. John WOOD (President, Institution of Mechanical Engineers)
- Ir Dr. CHAN Fuk Cheung (Senior Vice President, The Hong Kong Institution of Engineers)
- Mr. Robert SIMMONS (President, American Society of Mechanical Engineers)
- Mr. ZHANG Yan Min (Secretary General, Chinese Mechanical Engineering Society)

## Subject Areas

- Advanced Power Systems
- Advanced Fuel Technology
- District Cooling
- Green Building Technology
- Land Transportation
- Renewable Energy



## Already Committed Presentations

### Advanced Fuel Technology

- Application of High Efficiency Gas Absorption Heat Pump in Commercial Building  
*Mr. Herman C. H. CHOY, Kolar Husky Company Limited*
- Application of Advanced Gas Turbine Combustion Technology for Power Generation - A User's Perspective  
*Mr. Patrick LO Wa Ming, CLP Power Hong Kong Ltd.*
- An Unconventional Energy from Coal  
*Ir Chris W. C. MAN, The Hong Kong & China Gas Co. Ltd.*

### Land Transportation

- An Integrated Approach on Asset Life-cycle and Environmental Management of Company Fleets  
*Ir WOO Man Shing, Gordon, CLP Power Hong Kong Ltd.*
- Hybrid Bus Technology for Today's World  
*Mr. Andy BOULTON, Alexander Dennis Ltd.*
- Sustainable Heavy Transport Solutions  
*Mr. Nick LEACH, Scania CV AB*
- Innovative Aspects of Driveline Development for City Buses  
*Dr. Joachim FOTH, ZF Friedrichshafen AG*
- The Challenge of Making and Using Electric Bus  
*Mr. Raymond LO, Great Dragon International Corporation Ltd.*
- Title of Presentation to be confirmed  
*Mr. Toshio SATO, Toyota Motor Corporation*

### Renewable Energy

- European Experiences with Anaerobic Digestion of Food Waste  
*Dr.-Ing. Korz DIETER, Ros Roca envirotec S.L.*
- CO2 Reduction through Electric Vehicles Powered by Building Integrated Photovoltaic in Hong Kong  
*Prof. Moses L. NG, Hong Kong University of Science and Technology*
- Implementation of Wind Farm Project in CLP: A Case Study with Qian'an Wind Farm  
*Ir Kevin HO Kai Chor, CLP Holdings Limited*

### District Cooling

- District Heating and Cooling: A More Sustainable Technology to Confronting Climate Change  
*Mr. Joseph NG, Keppel DHCS Pte Ltd.*
- Enhancing Central Chiller Plant Efficiency in District Cooling Systems  
*Mr. Danny TAM, Shinryo Corporation (Malaysia Branch)*
- District Energy System – Sustainable Solutions for Cities from Investor and Operator Perspectives  
*Mr. Chris CHONG Wai Chuen, Dalkia Asia Pte. Ltd.*

### Advanced Power Systems

- Power Generation Fuel Flexibility with Syngas Turbines  
*Dr. Jeffrey GOLDMEER, GE Energy*
- Doosan Power Systems OxyCoal™ product - A View of the Past, Present and Future  
*Mr. Gerry HESSELMANN, Doosan Babcock*
- High Efficiency Ultra-Supercritical Steam Power Plant  
*Mr. Thomas OLBÖTER, Alstom Beizhong Power (Beijing)*

### Green Building Technology (Presentations are to be confirmed)

### Registration Fee

Category	Registration Fee (Per Person)	Entitlements			
		Attendance of Full Program	Lunch	Tea Breaks	A Copy of Conference Proceedings
Early Bird Registration (Payment received by 11 Feb 2011)	HK\$700	✓	✓	✓	✓
Normal Registration (Payment received by 4 Mar 2011)	HK\$800	✓	✓	✓	✓
Full-Time University Student (Limited quota per university)	FREE	✓	✗	✓	✓

## Registration

- Please register at our conference website [www.engineeringweek.hk](http://www.engineeringweek.hk) for attendance of the Conference.
- Or please fill in the registration form below and send the completed form to the Conference Secretariat, UTI (International) Ltd., Unit 209, Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung, N. T., H. K. or by fax (852) 2618-4500.
- First-come-first-served principle is applied in the registration due to limited number of seats.
- The conference program rundown is subject to change without prior notice.
- All cancellation of registration must be made in writing to the Conference Secretariat. If a written request for cancellation of registration is received by the Conference Secretariat on or before 25 Feb 2011, a refund will be made but a cancellation charge of 25% of the registration fee will be deducted. We regret that no refund will be made for cancellations after this date. In the latter case, the non-attending registrants will receive a copy of the conference proceedings.

## Payment Methods

- Bank transfer of the required registration fee to the following HSBC bank account 808-861298-838; and fax the transfer slip to (852) 2618 4500 specifying "HKEW2011 International Conference Registration" and the name and contact information of the registrant(s) or email the transfer slip copy to [intconf@engineeringweek.hk](mailto:intconf@engineeringweek.hk), specifying the name and contact information of the registrant(s).
- Sending cheque of the correct amount to Ms. Kelly Chu, Conference Secretariat, Unit 209, Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung, New Territories, Hong Kong. All cheques should be made payable to "The Institution of Mechanical Engineers, Hong Kong Branch" and each cheque should be marked with the name and contact information of the registrant(s) at its back.

## Conference Secretariat

### Contact

Miss Kelly CHU

### Tel

(852) 2690 3899

### Fax

(852) 2618 4500

### Website

[www.engineeringweek.hk](http://www.engineeringweek.hk)

### Email

[intconf@engineeringweek.hk](mailto:intconf@engineeringweek.hk)

### Address

Unit 209, Favor Industrial Centre,  
2-6 Kin Hong Street, Kwai Chung,  
N. T., H. K.

To: Miss Kelly Chu, Conference Secretariat (Fax: 852-2618 4500 Email: [intconf@engineeringweek.hk](mailto:intconf@engineeringweek.hk))  
Unit 209, Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung, N. T., H. K.

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### Registration Form

Title: Dr /Ir /Mr /Mrs /Ms\* Surname \_\_\_\_\_ Given Name: \_\_\_\_\_

Company/ Organization: \_\_\_\_\_

Position: \_\_\_\_\_ Contact Tel: \_\_\_\_\_

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

Correspondence Address: \_\_\_\_\_

Membership:  HKIE  IMechE  ASME  N/A  Others: \_\_\_\_\_

Conference Package:  Early Bird (\$700/head) (Payment received by 11 February 2011)

Regular (\$800/head)

### Conference Session Selection (Please note that some of the sessions are run in parallel and please choose only one session in the same timeslot)

Session 1: Advanced Power Systems (11:10 - 12:40)

Session 2: Advanced Fuel Technology (11:10 - 12:40)

Session 3: Land Transportation I (14:00 - 15:30)

Session 4: District Cooling (14:00 - 15:30)

Session 5: Green Building Technology (14:00 - 15:30)

Session 6: Land Transportation II (16:00 - 17:30)

Session 7: Renewable Energy (16:00 - 17:30)

### Issuance of CPD Certificate

Do you need the attendance certificate for the Conference?

Yes  No

\*Circle where appropriate