

Organizers



Ability R&D Energy Research Centre (AERC)
School of Energy and Environment

Symposium on Wireless Energy Management System for Energy Efficiency and Productivity Gain

2 November 2013 (Saturday)

The Energy Institute Hong Kong, the Ability R&D Energy Research Centre of City University of Hong Kong and the Hong Kong Association of Energy Engineers jointly organize a half-day “**Symposium on Wireless Energy Management System for Energy Efficiency and Productivity Gain**” on 2 November 2013 (Saturday) for their members. Others interested in the seminar are also welcome.

Brief description

If you have any of the following questions, this seminar will provide you the answers:-

1. “My company has already adopted nearly all kinds of energy saving technologies, is there anything else I can do to reduce my energy bill?”
2. “How can I establish the Energy Profile of my company in order to comply with ISO50001 Energy Management System requirements?”
3. “How can I benchmark the energy performance of my company for continuous productivity improvement?”
4. “My company was recently required by local Authority to set up energy monitoring system and transmit the energy data online to the Authority but I do not know anything about the system!”
5. “We have implemented an energy saving equipment currently. How can we validate its contribution?”

This seminar introduces the powerful real-time wireless Factory Energy Management System (FEMS) which continuously logs energy consumption data of major equipment in a factory and transmits the data through Zigbee communication protocol to a server for comprehensive data analysis. Through analyzing the data to establish energy consumption patterns and setting up production related energy indicators, the system enables (i) immediate rectification of energy wastage malpractice, (ii) identification of various potential energy saving areas, and (iii) benchmarking energy consumption levels of various production processes, machinery, products or workshops, and against historical performance of similar process/machinery/products/workshops. The FEMS data can also be accessible through the internet thereby enabling on-line management of energy data from remote sites.

The speakers of this seminar would explain the hardware and software requirements of the FEMS, presents successful applications in different industries and share the information of Mainland Government’s initiative on requiring factories to install such systems for central reporting of energy consumption of the factories to local Authorities. After the seminar, you will appreciate another approach to factory energy management which enables you to save energy while improving productivity gain effectively in your organizations.

Moderator

- **Ir Colin Chung**, President, Hong Kong Association of Energy Engineers / Past Chairman, Energy Institute Hong Kong

Speakers

- **Mr PM Kam**, Director, ESD International Ltd.
- **Ir Raymond Fong**, Principal Consultant, Hong Kong Productivity Council
- **Mr David Lo**, Senior Consultant, Hong Kong Productivity Council
- 中國韶關市經濟和信息化局 節能監察中心 **王曉春主任** (待定)

Time & Date: 0910 - 1230; 2 November 2013 (Saturday)	Venue: LT-10 (Academic 1), City University of Hong Kong, Tat Chee Avenue, Kowloon Tong
Fee: Free of charge	CPD: CPD attendance certificates will be issued to attendees
Language: English / Putonghua	

Registration: Please register on-line through <http://goo.gl/OeA5zD> (copy this link and paste on the browser should it cannot be linked directly) on or before 22 October 2013.



Tentative Rundown:

0910 - 0930	Registration
0930 - 0935	Welcoming Notes - Ir Gary Chiang, Chairman, Energy Institute Hong Kong Branch
0935- 0940	Souvenir Presentation - Ir Dr Michael Leung, Past Chairman, Energy Institute Hong Kong / Associate Professor and Associate Dean, School of Energy and Environment, City University of Hong Kong
Moderator: Ir Colin Chung, President, Hong Kong Association of Energy Engineers / Past Chairman, Energy Institute Hong Kong	
0940 - 1020	Real-time Wireless Factory Energy Management System (FEMS) - Technology and Case Studies - Mr PM Kam, Director, ESD International Ltd.
1020 - 1100	Factory Energy Management System - Productivity Gain and Energy Saving hands-in-hands - Ir Raymond Fong, Principal Consultant, Hong Kong Productivity Council - Mr David Lo, Senior Consultant, Hong Kong Productivity Council
1100 - 1120	<i>Tea Break</i>
1120 - 1200	珠三角城市能源管理信息化建設平台作業 (待定) - 中國韶關市經濟和信息化局 節能監察中心 王曉春主任 (待定)
1200 - 1230	<i>Q&A</i>
1230	<i>End of Event</i>