



# SOEHK Symposium 2012

Sustainability Development

The Way towards Sustainable Future of Operations Engineering

## INTRODUCTION

The concept of sustainability development applies to all areas of engineering aspects. It requires a change of traditional thinking regarding the life cycle of engineering concept. Instead a holistic approach should be considered so as to fulfill the needs for design, development, operations, maintenances, refurbishments and disposal issues. In this connection, three constituent parts, that is to say environment, economic and social, have to be sustained.

When applying the principles of sustainable environmental management and development in the holistic approach. It is necessary

- i) to devise practical measures on managing our own needs and desires without overdraft the prospects of future generations;
- ii) to preserve common resources and to reduce the environmental burden that we put on our neighbours based on the current technology and social organizational situations and;
- iii) to trim down the overall pollution and waste disposal while maintaining/enhancing the momentum of economic prosperity and quality of life.

Moreover, it also requires the engineering and facilities management professionals to work hand in hand in order to preserve the existing useful facilities, bring along new energy efficient operations, reduce and recycle the generation of pollution at the source and minimize the risk to human health and the environment.

The SOEHK Symposium 2012 will convey a wide range of stakeholders to focus on the issue of sustainability development for achieving green and environmental friendliness facilities in Asia. This symposium will also bring together industry experts, such as facilities preservation, environmental friendly data centre operations, waste and disposal treatments and local environmental policy, to share their knowledge and insights on high performance, innovation and low impact approaches to maintaining, developing and retrofitting the building environment for sustainability.

The objective of the Symposium is to enlighten operations engineers, professionals and management awareness of sustainability development through continuous improvement, innovation and application of new technology to preserve our planet with sustainable economic growth.

## SOEHK Symposium 2012

Sustainability Development

The Way Towards Sustainable

Future Of Operations Engineering

可持續發展 - 營運工程之未來路向

Date: Saturday, 7 July 2012

Time: 08:45 to 18:00

Venue: Theatre N003, The Hong Kong Polytechnic University



engineering success  
soe hong kong region  
營運工程師學會 香港分會

Gold Sponsor: CLP 中電

08:45-09:00	<b>Registration (Morning)</b>
09:00-09:05	<b>Opening Address for Morning Session</b> Ir Dr. John LEUNG, Organizing Committee Chairman Society of Operations Engineers (Hong Kong Region)
09:05-09:30	<b>Welcome Speech</b> Ir Dr. the Hon Raymond HO Member of the HKSAR Legislative Council (Engineering Functional Constituency)
09:30-09:45	<b>Keynote Speech</b> Ir Edmund LEUNG Chairman of the Energy Advisory Committee (Environment Bureau)
09:45-09:50	<b>Presentation of Souvenirs</b>
<b>Morning Session</b>	Ir Dr. K K Tong (Morning Session Chairman)
09:50-10:15	<b>Smart and Green Grid</b> Mr. C M KWAN, Senior Smart Grid Development Manager CLP Power Hong Kong Limited
10:15-10:40	<b>Sustainable design in Mainland China</b> Ir C K WONG, Director Meinhardt (M&E) Limited
10:40-11:00	<b>Networking Coffee Break</b>
11:00-11:25	<b>Sustainable and Integrated Building Design in the Largest Entertainment Resorts in Asia</b> Ir Herbert LAM, Director (Buildings- China Region) Parsons Brinckerhoff
11:25-11:50	<b>A step towards sustainable development - full implementation of Buildings Energy Efficiency Ordinance</b> Ir Osman LAU, Engineer (Energy Efficiency) Electrical & Mechanical Services Department
11:50-12:15	<b>A Review on Energy Issues of Lift and Escalator Systems</b> Dr. W L CHAN, Vice Chairman The International Association of Elevator Engineers (HK-China Branch)
12:15-12:25	<b>Discussion, Question and Answer</b>
12:25-13:45	<b>Lunch Break</b>



**Program—Afternoon Session**

13:45 - 14:00	<b>Registration (Afternoon)</b>
14:00-14:25	<b>Welcome Speech</b> Ir Dr. the Hon Samson TAM Member of the HKSAR Legislative Council (Information Technology)
14:25-14:40	<b>Keynote Speech</b> Mr. Kenneth SHE, Assistant Director Electrical & Mechanical Branch Drainage Services Department
14:40-14:45	<b>Presentation of Souvenirs</b>
<b>Afternoon Session</b>	Ir Dr. Albert SO (Afternoon Session Chairman)
14:45-15:10	<b>Water Reclamation Trial Projects in Drainage Services Department</b> Ir Horace CHAN, Engineer Drainage Services Department
15:10-15:35	<b>Sustainable Survival Engineering Development</b> Mr. Ellis WONG, Chief Executive Officer Euro-lite International Company Limited
15:35-16:00	<b>State-of-the-art Chilled Water Energy Measurement for Commercial Buildings</b> Ir Thomson CHEUNG, Director United Controls Limited
16:00-16:20	<b>Networking Coffee Break</b>
16:20-16:45	<b>Building Information Modeling Education in Institute of Vocational Education</b> Ir C M CHAN, Head Of Department/ Mr. T C LO, Acting Senior Lecturer Department of Construction Hong Kong Institute of Vocational Education (Tsing Yi and Morrison Hill )
16:45-17:10	<b>An Introduction to NEC3 Contracts</b> Dr. Joseph CHAN, Post-doctoral Fellow Department of Civil Engineering The University of Hong Kong
17:10-17:20	<b>Discussion, Question and Answer</b>
17:20-17:35	<b>Closing Address</b> Ir S L Li, Chairman Society of Operations Engineers (Hong Kong Region)

**Organizer:** The Society of Operations Engineers (Hong Kong Region)

**Organizing Committee**

Hon Advisers: Ir Dr. the Hon Raymond HO; Ir Dr. the Hon Samson TAM; Ir Edmund LEUNG  
Advisers: Ir Prof. Edmund CHUK; Ir Jeffrey YUNG; Ir S L Li;  
Prof. Cindy LUK; Mr. M K CHAN; Ir Thomson CHEUNG  
Chairman: Ir Dr. John LEUNG  
Deputy Chairmen: Ir Dr. K K TONG; Ir Dr. Albert SO; Ir W K PAU; Ir Ronald KWONG;  
Mr. Ken LUK; Ir Simon KWOK  
Morning Session Chairman: Ir Dr. K.K. TONG  
Afternoon Session Chairman: Ir Dr. Albert SO  
Honorary Secretary: Ir C S HO  
Honorary Treasurer: Ms. Doris CHEUNG  
Artwork Designers: Ir M W LO / Ms. Anita NG  
Stage Manager: Ir John TSANG  
AV Control Managers: Ir M W LO / Ir Barry TSUI  
Photographers: Ir Allen POON / Ir H H YEUNG / Mr. Jeffrey TONG  
Administration Manager: Ms. Connie MUI

**Organizing Committee Members:**

Ir P K CHAN	Ir C K CHAN	Ir K C PANG
Dr C W LEE	Mr. Thomas LAU	Ir Simon HUNG
Mr. M F FOK	Ir Albert CHUN	Ir Kelvin TANG
Mr. Conway LAI	Mr. Eric HO	Mr. Jan NG
Mr. Dennis WONG	Mr. Paul LIM	Mr. William LEUNG
Mr. K C Ip	Ir K C LAU	Ir M K FUNG

**Supporting Organizations: (In Alphabetical Order)**

Asian Institute of Intelligent Buildings  
Building Services Operation and Maintenance Executives Society  
Chinese Mechanical Engineering Society - Hong Kong, Macau and Taiwan Members Liaison Office  
Drainage Services Department  
Electrical and Mechanical Services Department  
Hong Kong Association of Energy Engineers  
Hong Kong Institute of Vocational Education (Morrison Hill) - Department of Construction  
Hong Kong Institute of Vocational Education (Haking Wong) - Department of Electrical Engineering  
Macao Institution of Electrical & Mechanical Engineers  
The Hong Kong Institution of Engineers – BS Division  
The Hong Kong Institution of Engineers – CA Division  
The Hong Kong Chapter of the International Facility Management Association  
The Hong Kong College of Technology  
The Hong Kong Institute of Facility Management  
The Hong Kong Federation of Electrical & Mechanical Contractors Limited  
The International Association of Elevator Engineers (HK-China Branch)

**GOLD SPONSOR**

CLP Power Hong Kong Limited  
**SPONSORS**  
A Ferrari Architects & Engineering Consultants Limited  
CCP Engineering Limited  
Creative Route Company Limited  
Lucky Engineering Company Limited

The Society of Operations Engineers (Hong Kong Region) - IRTE  
Honorary President of The Society of Operations Engineers (Hong Kong Region) - Mr. M K CHAN

Admission Class	Session	Normal Charge	Early Bird Registration (17 June 2012)
Members of SOE and Supporting Organizations	*Half Day (AM/ PM)	<input type="checkbox"/> HK\$400	<input type="checkbox"/> HK\$350
	Whole Day	<input type="checkbox"/> HK\$700	<input type="checkbox"/> HK\$650
Non-members	*Half Day (AM/ PM)	<input type="checkbox"/> HK\$500	<input type="checkbox"/> HK\$450
	Whole Day	<input type="checkbox"/> HK\$900	<input type="checkbox"/> HK\$850
# Students	*Half Day (AM/ PM)		FREE
	Whole Day		FREE

**Enrolment Form:**  
I am a Member of SOE / Supporting Organization (membership No: \_\_\_\_\_) / Non-member  
Title: Prof / Dr. / Ir / Mr. / Mrs. / Miss / Others (Please specify)  
Surname: \_\_\_\_\_ Given Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Correspondence Address: \_\_\_\_\_  
Tel (office): \_\_\_\_\_ Mobile: \_\_\_\_\_  
Email: \_\_\_\_\_

**Remarks: Lunch not included**  
*\*Delete as appropriate*  
**Registration:**  
Simply complete and send the above form to Ms. Connie Mui by fax at (852) 3188 0177 or email to [connie@soe.org.hk](mailto:connie@soe.org.hk). Please settle in full payment within 7 days after registration but not later than event day by mail to: The Society of Operations Engineers (Hong Kong Region), Unit 2, 3rd Floor, Winsum Industrial Building, 588-592 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong.  
**Payment Method:**  
The SOEHK will only accept cheque payment. Kindly make your cheque payable to "SOEHK". A confirmation notice will be sent to you upon receipt of your full payment.

**Continuous Professional Development:**  
Attendance for the symposium will entitle to total 6 CPD hours for whole day and total 3 CPD hours for AM/ PM session granted by SOEHK.  
# For full time students, the copy of full time student cards shall be sent to Ms. Connie MUI by fax at (852) 3188 0177 or email to [connie@soe.org.hk](mailto:connie@soe.org.hk) for registration. first come first serve, limited seats available.

Media: Cantonese, Mandarin and English

--	--	--	--	--	--	--	--	--	--	--	--