

## Introduction:

This symposium aims to introduce new engineering strategies adopted in plant engineering and operations engineering in Hong Kong & Macau. These engineering approaches can act as valuable references to operations engineers in achieving green, energy effectiveness, safe, effective management and cost effective objectives on engineering projects, particularly for the large scale projects in Hong Kong & Macau.

**Date:** 5th July 2008 ( Saturday )

**Time:** 9:00am to 1:00pm

**Venue:** Theatre Y301,  
The H K Polytechnic University

**Languages:** Cantonese with English terms

**Fee:** Free of Charge

(Remarks: An administration fee of \$50.00 is chargeable for a 4-hr CPD certificate upon requested)

**Participants:** 120 persons (Max.)

(All are welcome. However, priority will be given to those registered participants)

**Registration:** Please contact Ms. Connie MUI at

Tel.: (852) 3188 0062 or

e-mail to [connie@soe.org.hk](mailto:connie@soe.org.hk)

## Organizing Committee:

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## SOEHK Symposium 2008 Development of New Engineering Strategies

Organized by  
**The Society of Operations Engineers  
Hong Kong Region**

Supporting Organizations:



THE HONG KONG INSTITUTE  
OF ENGINEERS

HKIE - CA Division    HKIE - SSC



THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學

INTEGRATED GRADUATE DEVELOPMENT SCHEME

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soe hong kong region  
營運工程師學會 香港分會

## The Programme:

09:00-09:15

### Registration

09:15-09:20

### Welcome Address

by **Prof. Edmund CHUK**

The Life Honorary President of SOE-HK

09:20-09:35

### Keynote Speech

by **Ir Dr. Samson TAM, JP**

The Chairman of TechMatrix  
Research Centre

Topic: **Hong Kong as a Digital City**

09:35-10:15

### Environmental Assessment of Refrigerants

Present by **Ir Victor WONG**

10:15-10:55

### Application of Green Engineering

Present by **Ir Raymond NG**

10:55-11:10

### Break

11:10-11:50

### New Mega Plant Operation and Maintenance Strategy

Present by **Ir Jeffrey YUNG**

11:50-12:30

### Mega Plant Construction Management

Present by **Ir Andrew YIM**

12:30-12:40

### Closing address

by **Ir Prof. Louis LOCK**

The Chairman of SOE-HK (2006-08)

12:40-12:50

### Q & A

12:50-13:00

### Souvenirs Presentation & Photo Taking

13:00

### End of Symposium

## About the Presentations and Guest Speakers:

### Environmental Assessment of Refrigerants

#### Ir Victor WONG

BEng (Hon), MBA, CEng, FSOE, FIPlantE,  
MHKIE, MCIBSE, MIMechE  
The Hon Secretary of ACRA

#### Abstract:

In the past decade, the air conditioning industry was focused on the Ozone Depletion issues and intentionally to phase out most of the CFC/HCFC refrigerants to attain so-called "Environmentally Friendly" to our planet.

The presentation shall take an analytical approach to discuss most of refrigerants & criteria to access a Greener approach for our industry.

### Application of Green Engineering

#### Ir Raymond NG

BSc, CEng, MIEE, MHKIE, RPE  
The Adviser of SOE-HK

#### Abstract:

Energy saving technology has been an ever-developing engineering especially for large building services systems.

The speech shall explain from approaches of large power consuming machineries such as escalators and chillers of how such new technology different from traditional methods will be applied.

### New Mega Plant Operation & Maintenance Strategy

#### Ir Jeffrey YUNG

BEng (Hons), MSc, CEng, FSOE, FIPlantE,  
MHKIE, SMCMS  
The Hon Secretary of SOE-HK

#### Abstract:

It is a fact that many building owners are unaware of the cost of maintaining their plants and have no means of predicting how much they ought to spend to keep their building at an effective operation. The presentation reviews some traditional approaches and outlines some new approaches that may lead to a more successful appropriation of resources for operation, maintenance and improvement of large buildings.

### Mega Plant Construction Management

#### Ir Andrew YIM

CEng, RPE, MIMechE, MHKIE, MCIBSE  
The Advisor of SOE-HK & CMES (HKLO)

#### Abstract:

Construction Management Approach has been widely adopted in western countries for mega size and fast track projects and it is largely adopted for large development nowadays in Macau and perhaps will be the future norm for large projects in Hong Kong and China. The speech will make reference to the successful completion of the Venetian Macau Resort projects in Cotai, Macau.

## Organizer:

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