

The Society of Operations Engineers HK Region

SOE HK Symposium 2009

**Plant Engineering:
We care! We engineering green.**

**Road Transport Engineering:
Safe drive! Save life.**



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

Date: 20 June 2009, Saturday
Time: 09:00 to 18:00
Venue: Theatre N001,
The Hong Kong
Polytechnic University

Introduction to Plant Engineering Session:

We care! We engineering green.

The economic recession is painful for most people. For engineering management professionals, it carries an extra burden. With capital budgets getting tighter, engineering management professionals are typically under even greater pressure to squeeze more value out of existing assets.

As reported by Sheralyn Tay (Cubic, January 2009, Colliers International), the spectre of climate change makes itself felt across the world, the call for environmental protections is being heard with more urgency, gaining recognition from society at all levels. Far from being just the battle cry of environmentalists and governments, corporations are now taking on the fight for the environment.

In Asia, the importance and value of making buildings more sustainable is increasingly being embraced. According to Mark Clifford, Executive Director of Asia Business Council, in presentation given in Beijing in June, there's been a "notable increase" in the attention paid to the energy efficiency and sustainability of buildings in at least 11 major East and South Asian economies in recent year.

The objectives of the Symposium are to raise engineering professional, property owner, consultant, property and facility management professionals' awareness of green engineering management through energy saving measures to cut electricity bill eventually green house gas reduction and carbon audit to identify carbon footprint for continuous improvement to contribute environmental protection and climate change.

Organizing Committee:

Hon. Advisor: Ir Dr. the Hon. Raymond C. T. HO
Ir Dr. the Hon. Samson W. H. TAM

Advisor: Prof Edmund L. Y. CHUK
Prof Louis F. S. LOCK

Chairman: Ir Jeffrey K. K. YUNG
Deputy Chairman: Eric K. Y. FUNG
P. K. CHAN
Ronald K. S. KWONG
Ir K. K. TONG

Introduction to Road Transport Engineering Session:

Safe drive! Save life.

Despite of global concerns in vehicular emission, which affects health of numerous animate being, has been controlled aggressively by the cutting edge technology development; road safety is still a critical issue in road transport for safeguarding lives.

The Road Transport Engineers sector would like to deliver more information regarding the driving behaviour, indemnity insurance and legal procedures after accident, so as to arouse all road users caring of the safe drive to save lives since many valuable lives have been lost away in avoidable accidents, rush and hasty drivers, and careless pedestrians are the primary causes.

Good driving behaviour and attitude are more important than vehicle performance in accident decrement. An experienced and skillful driving expert will be invited to share his experience and know-how in safety driving.

Once an accident takes place, driver, owner and pedestrian should know their responsibilities and rights. Indemnity insurance does not only defend the wealth of driver or owner against compensation for injuries, deaths or damages but also protect the possessions of third parties. An expert in vehicle insurance will be invited to introduce the coverage of policy exemptions and associated regulations.

When the incident has to be arbitrated, the procedure handled by the driver, and the confession reported by driver, victim, and witness are also critical as legal responsibility would be borne. An expert in traffic accident prosecution will be invited to explain the proper procedures after an accident in order to indemnify the benefits of concerning parties.

Session Chairman: Ir K. C. LAU
(Plant Engineering)
Ir M. K. FUNG
(Road Transport Engineering)

Members: C. S. HO (Secretary)
Albert CHUN
Chris MAN
Dennis WONG
Ir K.C. PANG
Dr. John LEUNG
Simon HUNG
William LEUNG
Allen POON
Doris CHEUNG
Ellen MAN
Ir Kelvin TANG
Patrick LO
Ir Simon KWOK
Jenny YEUNG

Co-organizers:

SAE International - Hong Kong
國際汽車及航空工程師學會 - 香港分會



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Morning Session

08:45-09:00	Registration Plant Engineering – We care, we engineering green
09:00-09:05	Opening Address Ir Jeffrey K. K. YUNG, the Chairman of Organizing Committee
09:05-09:15	Welcome Speech Dr. Kitty K. POON, JP, Under Secretary for the Environment, Environmental Bureau, HKSAR
09:15-09:25	Keynote Speech Ir Dr. the Hon. Samson W. H. TAM, JP, Member of the HKSAR Legislative Council (Information Technology Constituency)
09:25-09:30	Presentation of Souvenir Session Chair: Ir K. C. LAU
09:30-09:55	Building-Integrated Photovoltaic Technologies for Sustainable Urban Energy Supply: Current Status and Future Potential Prof H X YANG, Professor, Building Services Department, Hong Kong Polytechnic University
09:55-10:20	Achieving Energy Efficiency through Building Control Fundamentals Ir S. L. LI, Chairman, Control, Automation and Instrumentation Division, The Hong Kong Institution of Engineers
10:20-10:45	Use of Construction and Demolition Materials for Environmental Consideration Ir Dr. Albert T. YEUNG, Associate Professor, Department of Civil Engineering, The University of Hong Kong
10:45-11:00	Networking Coffee Break
11:00-11:25	Buildings Energy Efficiency Funding Schemes by HKSAR Ms. Katharine M.Y. CHOI, Principle Assistant Secretary, Environment Bureau, HKSAR Ir S. M. YU, Senior Engineer, EMSD, HKSAR
11:25-11:50	Energy and Carbon Management for Building in Hong Kong Ir Tony W. L. HO, Energy Efficiency and Emission Reduction, SGS Hong Kong Ltd.
11:50-12:10	Experience Sharing for Energy Audit and Carbon Audit Ir Jeffrey K. K. YUNG, Chairman, SOE HK
12:10-12:30	Instrument Optimization for Energy Measurement Ir Thomson S. W. CHEUNG, Council Member and Flow Discipline Representative of HK Institute of Utilities
12:30-12:45	Questions and Answers
12:45-14:00	Lunch Break

Afternoon Session

14:00-14:15	Registration Road Transport Engineering – Safe drive, save life.
14:15-14:30	Opening Address Professor Edmund L. Y. CHUK, Life Hon. President of SOE HK
14:30-14:45	Welcome Speech Ir Dr. the Hon. Raymond HO Chung-tai, SBS, S.B.St.J., JP Member of the HKSAR Legislative Council (Engineering Functional Constituency)
14:45-14:55	Keynote Speech Mr. Jackson Y. T. HO, MH, Chairman of Society of Automotive Engineers International, Hong Kong
15:55-15:00	Presentation of Souvenir Session Chair: Ir M. K. FUNG
15:00-15:35	Drink-driving, drunk-driving & drug-driving Dr. H. K. MONG, Chairman of Institute of Advanced Motorists Hong Kong
15:35-16:10	Duty of Driver after Accident Mr. Fred C. W. TONG, Hon Treasurer, IMIHK
16:10-16:25	Networking Coffee Break
16:25-17:00	Hong Kong Motor Insurance Market Update Mr. Perry LEE, Director, United China Professional Insurance Brokers Ltd
17:00-17:40	Update for implementation of RRA between SOE and CMES Prof Edmund L. Y. CHUK, Life Hon. President, SOE HK Update for implementation of RRA between SOE and HKIE Ir Jeffrey K. K. YUNG, Chairman, SOE HK Your Membership, Your registration - Made Easy the SOE way Mr. Roddy McKenzie, Procedures for City and Guilds Senior Award for SOE Members Dr. William T. W. LEUNG, Country Manager, City & Guilds
17:40-17:50	Discussion, Questions and Answers
17:50-18:00	Closing Address Professor Louis F. S. LOCK, President, SOE HK

Media: Cantonese / Mandarin with English Terminologies

Supporting Organizations:



Young Surveyors Group
Hong Kong Institute of Surveyors

About Symposium Chairman



Ir Jeffrey K. K. YUNG

Ir Yung is an Associate Director of the Colliers International (Hong Kong) Limited. He received his BEng (Hons) in Building Services Engineering Department in Hong Kong Polytechnic University with first class honours. Subsequently, he received his MSc. in Facility Management in the same department. He registered as Chartered Engineers in Engineering Council of UK. He is a Fellow Member of the Society of Operations Engineers, a Life Senior

Member and Certified Senior Mechanical Engineer of Chinese Mechanical Engineering Society and also a Member of the Hong Kong Institution of Engineers, the Chairman of Event and Publicity for the Hong Kong Institute of Utility Specialists and Register Safety Officers in Labour Department of HKSAR.

About Honourable Guests



Prof. Edmund L. Y. CHUK

Professor Chuk, is Honorary Fellow of the Society of Operations Engineers, UK, Life Honorary President of Society of Operations Engineers, Hong Kong Region. He is also a member of Membership and Professional Standards Committee, SOEUK. Professor Chuk has been acted as corresponding member of SOEUK since 2002, and is the key person for the establishment of SOE HKR. He has been involved in reputable and landmark

projects throughout his career in Mainland, China, Hong Kong and other Asian Countries including MVAC and Building Services Engineering. He is a Director and the General Manager of Global Toptech Groups Limited that offers Environmental Assessment Services for a wide variety of clients across the Hong Kong and China.



Prof. Louis F. S. LOCK

Prof. Lock is the Site Manager of Lamma Power Station for site management from civil construction work to subsequent mechanical/electrical installation & commissioning. Prof. Lock is active for activities related to professional/academic institutions. He is a Council Member, Chair of Safety Specialist Committee, Deputy Chair of CA Division etc. of the HK Institution of Engineers. He is the President of Society of Operations Engineers (UK) HK,

Chair of the Institute of Measurement & Control (UK) HK, Deputy Chair of Shenzhen Instrument & Control Society, Visiting Professors of U of Science & Technology, Beijing, Guangxi U, Guangdong U of Technology, Shenzhen Polytechnic, Guangxi Polytechnic, Member of Advisory Panel of EE Dept of HK Poly U, Industrial Advisor of MEEM of City U HK. He is a Hon Fellow of U of Central Lancashire (UK) and a member of the Chinese People's Political Consultative Conference (Fangchenggang).



Mr. Roddy MACKENZIE

Mr. Roddy Mackenzie, IEng FSOE FIRTE MIET MILM is the Chairman of Membership & Professional Standards Committee SOE.

Roddy has been the Chair of the M&PS since Feb 2004, prior to this he was vice chairman and has over 10 years experience on the Board/Council. He has worked for the Ministry of Defence

for over 33 years in automotive engineering and has specialised in the Carriage and transportation of Dangerous Goods for the past 10 years. He is currently working in Logistics for the military in their Headquarters in Germany.



Mr. Jackson Y. T. HO, MH

Mr. Jackson Ho, MSc, Fellow of the SAE International, the Institute of the Motor Industry and the Society of Operations Engineers. Currently employed as the Director and General Manager of DCH Dragonair Airport GSE Service Ltd, Jackson has had 40 years of vehicle service and professional driving experience. His driving license covers 13 types of vehicles.

Jackson is the current Chairman of SAE International Hong Kong and the former Chairmen of the Institute of the Advanced Motorists HK, the Institute of the Motor Industry HK and the Hong Kong Automobile Association.

About Guests of Honour



Dr. Kitty POON Kit, JP

Under Secretary for the Environment
Hong Kong Special Administrative Region

Dr. Kitty Poon holds a Bachelor of Arts Degree from Rutgers University, a Master Degree in International Affairs from the Columbia University and a Ph.D. in Government and Public Administration from the Chinese University of Hong Kong. Before joining the Government of the Hong Kong

Special Administrative Region, Dr. Poon had been the Assistant Professor of the Department of Applied Social Sciences in the Hong Kong Polytechnic University.



Ir Dr. the Hon. Raymond HO Chung-tai SBS, S.B.St.J., JP

Legislative Councilor (Engineering Functional Constituency)

Dr. Raymond Ho, past President of the Hong Kong Institution of Engineers (1987-88), is currently serving his fourth consecutive term in the Legislative Council representing the Engineering Constituency. He also represents Hong Kong as a Deputy to the Eleventh National

People's Congress of the PRC. He is Board Member of the Airport Authority, Member of the Commission on Strategic Development, and Chairman of the Infrastructure Development Advisory Committee of the Hong Kong Trade Development Council.



Ir Dr. Samson TAM Wai Ho, JP

Legislative Councilor (Information Technology Functional Constituency)

Dr. Samson Tam is a Legislative Councilor from the functional constituency of Information Technology and he is the founder of Group Sense (International) Ltd. He is now a member of Digital 21 Strategy Advisory Committee, the Small and Medium Enterprises Committee and Deputy Chairman of the Hong Kong Productivity Council. He

is also the Chairman of the TechMatrix Research Centre, which is a local technology think tank.

About Session Chairman (Morning Session)



Ir K. C. LAU

Ir K C Lau is Project Manager of Balfour Beatty E&M Ltd. Ir Lau involved in different Air-Conditioning Plant Projects in Hong Kong & Macau including Cooling Water Plant of HK Central Reclamation Phase I & III, Central Chiller Plant and Energy Centre of Macau Venetian Cotai Parcel 1. He obtained his honour degree in Building Services Engineering and Master Degree in Facility Management,

in the BSE Department of the Hong Kong Polytechnic University. He registered as Chartered Engineer of Engineering Council, UK and Fellow Members of the Society of Operations Engineers. He also a member of the Hong Kong Institute of Engineers, a member of the Institution of Engineering and Technology and a Senior Member of Chinese Mechanical Engineering.

About Session Chairman (Afternoon Session)



Ir M. K. FUNG

He was awarded BEng. (Honours) in Mechanical Engineering and MSc. in Mechanical Engineering in The Hong Kong Polytechnic University, and registered as Chartered Engineer of Engineering Council in UK.

Ir MK Fung has been engaged in vocational education since 1989 and is now serving the Hong Kong Institute of Vocational Education as Lecturer. Before throwing into education, he worked at different automotive fields such as servicing, inspection, design and vocational training in different quasi-government and government sectors. He specializes in automotive engineering, vehicular engine performance and emission are the primary interest of study besides teaching assignment.

About Guest Speakers



Prof. Yang Hong-xing

Prof. Yang received his BEng in 1982 and MEng in 1985 in the Department of HVACR Engineering of Tianjin University, China. He obtained his PhD in 1993 in the University of Wales College of Cardiff, UK. He has been involved in renewable energy R&D projects throughout his career in Chinese mainland, Britain and Hong Kong including geothermal energy, solar energy and wind energy resources. He is now leading the Renewable Energy

Research Group (RERG) in the Department of Building Services Engineering. His research interests cover building energy conservation and renewable energy studies, especially solar photovoltaic, ground source heat pumps and wind power generation.



Ir Dr. Albert T. YEUNG

Ir Dr. Albert T. YEUNG is Associate Professor in the Department of Civil Engineering, The University of Hong Kong. After his return to Hong Kong in 1998, he was Chief Engineer of Binnie Black & Veatch Hong Kong Limited and Assistant Secretary for Financial Services and the Treasury of the Hong Kong SAR Government before his return to academia in 2003. His notable awards include the 2009 Research Grant Award of the International Press-in

Association, the 1st Prize of Civil Engineering Papers of the Year Award 2008 of HKIE, the Peter H. K. Chan Award 2001 for the Best Environmental Paper of HKIE, the Samuel Arnold Greeley Award 1999 of ASCE, Arthur Casagrande Professional Development Award 1996 of ASCE, Dow Outstanding New Faculty Award 1994 of the American Society for Engineering Education, Kumagai Prize 1994 of HKIE, Texas Engineering Experiment Station Select Young Faculty Award 1993, among many others.



Ir S. L. LI

Ir S.L.Li is Director of External Relations, Building Efficiency, for Johnson Controls Asia. A veteran of the building controls industry where he has been with his career over 27 years and has held positions with a number of world class international companies, including that of executive officer with a publicly listed Canadian company.

Ir Li is currently the Chairman of the HKIE Controls, Automation & Instrumentation Division 2008-09 Session and has been an active member of the Hong Kong Chapter of American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE). He is currently the organization's immediate past president.



Miss Katharine M. Y. CHOI

Miss Choi, Principal Assistant Secretary (Energy), joined the Government of the Hong Kong Special Administrative Region in 1998. She has served in various bureaux and departments including the Home Affairs Bureau, the then Health and Welfare Bureau, Home Affairs Department and Constitutional and Mainland Affairs Bureau. She assumed the current post on 14 April 2008.



Ir Tony W. L. HO

Tony is Certified Energy Manager, Certified Carbon Audit Professional, Auditor for CDM project, Chartered Engineer and Professional Engineer. He studied Energy Management in his Master Degree, Tony has performed energy management projects assisting corporations and organizations reducing energy use and expenses which included prestigious office buildings, IT complex, resort and casino, manufactory plants in mainland China, etc.



Mr. Perry LEE

Perry is the Director of United China Professional Insurance Brokers Ltd. He has attained over 12 years in General Insurance, Bancassurance, Life and Wealth Management in the leading insurers and banks in Hong Kong and Canada. Perry has over 10 years experience in general insurance underwriting and sales distribution. He was a motor underwriter for a leading motor insurer in Hong Kong.



Ir S. M. YU

Ir Yu received his bachelor degree with honour in mechanical engineering in the University of Hong Kong and master degree with distinction in environmental engineering in the Imperial College of London. He has been working in the government for more than 22 years; specialising in project management, research and development work, and operation and maintenance of government sewage treatment plants. Mr Yu has published

eight papers in international conference and journals.



Ir Thomson S. W. CHEUNG

Thomson Cheung is working as Managing Director of United Controls Limited. He is a current Council Member and Flow Discipline Representative of Hong Kong Institute of Utilities Specialists. He is a current Committee Member and Q & M Manager of The Institute of Measurement and Control Hong Kong Chapter. He Obtained Bachelor of Science from The City University, UK and subsequently Master of Applied Science

from The University of Waterloo, Canada He is a Fellow of Hong Kong Institution of Engineers and HK Institute of Utilities Specialists and a Member of Institute of Measurement & Control, UK and The Institution of Engineers, Australia. A Chartered Engineer, UK and a Chartered Professional Engineer, Australia.



Dr. H. K. MONG

Dr. H. K. MONG is a medical doctor by profession and is a Specialist in Forensic Pathology. He is now in private practice but before his retirement from the civil service in 2005, he was Consultant in-charge of the Forensic Pathology Service of the Department of Health responsible for medico-legal investigation of crime and related incidences including traffic victim examinations. In his private capacity, he is now the Chairman of

the Institute of Advanced Motorists HONG KONG, a non-commercial and non-profit-taking NGO dedicated to the promotion of road safety.



Mr. TONG Chi-wah

Mr. Tong had over 20 years experience in road traffic accident investigation throughout the service as a Police Inspector of the Hong Kong Police Force (retired in year 2001) as well as being a Traffic Consultant in the private sector; He completed a Road Traffic Accident Reconstruction Course in 1985, which covered a comprehensive training in vehicle appreciation, tyre technology, speed calculation and application to road traffic accident

investigation; He passed the examination and was awarded a certificate in Traffic Accident Reconstruction by City and Guilds of London UK and Vocational Training Counsel Hong Kong in 1990; Mr. Tong acted as the Course Director in Traffic Accident Reconstruction Course in the Police Training School, training selected Police officers in 1986, 1988 and 1989; and successfully performed a number of traffic accident reconstructions and gave expert evidence in Hong Kong Law Courts on numerous occasions.



Dr. William LEUNG

William Leung was a researcher in colour physics and developed a patented colour measurement system in his PhD study in United Kingdom. He is an Electrical Engineer by profession and Chartered Engineer. He is the fellow of the Society of operations Engineers and an advisor at its Hong Kong branch. He has worked in the education sector for over than ten years designing programmes from vocational up to master degree level, promoting

vocational and professional qualifications and status for those working adults in Hong Kong and Southern Mainland China.

I am a Member of SOE (Membership No: _____) or a member of
 Co-organizers / Supporting Organization (Pls Specify _____, Membership No: _____)
 Title: Prof / Dr./Ir / Mr. /Mrs. /Ms. / Miss / Others (Please specify) _____
 Surname: _____ Given Name: _____
 Position: _____
 Organization: _____
 Correspondence Address: _____

 Tel (office): _____ Mobile: _____
 Email: _____

Registration Fee

Admission Class

Normal Charge

(Please tick to select)

Early Bird Registration

(Before 30 May 09)

(Please tick to select)

SOE Member	Morning Session	<input type="checkbox"/> HK\$350	<input type="checkbox"/> HK\$250
	Afternoon Session	<input type="checkbox"/> HK\$350	<input type="checkbox"/> HK\$250
	Whole day	<input type="checkbox"/> HK\$600	<input type="checkbox"/> HK\$400
Member of Co-organizer / Supporting Organization	Morning Session	<input type="checkbox"/> HK\$350	<input type="checkbox"/> HK\$250
	Afternoon Session	<input type="checkbox"/> HK\$350	<input type="checkbox"/> HK\$250
	Whole day	<input type="checkbox"/> HK\$600	<input type="checkbox"/> HK\$400
Non-member	Morning Session	<input type="checkbox"/> HK\$450	<input type="checkbox"/> HK\$300
	Afternoon Session	<input type="checkbox"/> HK\$450	<input type="checkbox"/> HK\$300
	Whole day	<input type="checkbox"/> HK\$800	<input type="checkbox"/> HK\$500

Remarks: Lunch not included

Enclosed is cheque # _____ in the amount of HK\$ _____

To Submit Your Registration:

Please duly complete the above registration form and submit together with a cheque for full payment by mail to "Society of Operations Engineers (Hong Kong Region), Unit B, 3rd Floor, Wing Hong Centre, 18 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong", or fax the registration form to (852) 3188 0177 or email to connie@soe.org.hk, and full payment following by mail to aforesaid address.

Payment Method:

The SOE HK will only accept cheque payment. Kindly make your cheque payable to "SOEHK". Payment will not be accepted later than 4 June 09 or 17 June 09 for early bird or normal registration respectively. A confirmation notice will be sent to you upon receipt of your full payment.

Cancellations:

Cancellation and full refund of the registration can be made on or before 30 May 2009. Kindly note that there will be no refund for cancellation after this date; However, should you be not able to attend, we welcome a representative to attend on your behalf.

Continuous Professional Development:

Attendance for the symposium will entitle with a total of 8 CPD hours (4 hours for each AM/PM session) granted by SOE HK.