

Symposium on

Electrical and Mechanical Safety and Energy Efficiency 2014

20-21 January 2014

Charles K. Kao Auditorium, Hong Kong Science Park



Background

Through different channels, Electrical and Mechanical Services Department (EMSD) of the Government of the HKSAR has been promoting E&M safety as well as energy efficiency and conservation to the community with the objective to foster a safe and low carbon environment. In this connection, EMSD in association with The Hong Kong Institution of Engineers are organising a "Symposium on Electrical & Mechanical Safety and Energy Efficiency" on 20 - 21 January 2014, to discuss issues on electrical, gas, mechanical and railways safety and the efficient use of energy. Target audience of the Symposium includes local, mainland and overseas professionals coming from government departments, consulting firms, academia, trade associations, green groups and other related parties.

The Programme

Day 1 AM (20 January 2014)

Opening Ceremony

Welcome Address

Ir Frank CHAN Fan, JP, Director of Electrical and Mechanical Services, The Government of the HKSAR

Keynote Remarks

Ir Raymond KS CHAN, President, The Hong Kong Institution of Engineers

Keynote Session

Leading the Charge to Advance Clean Energy and Climate Security in the Asia-Pacific

Dr Phyllis Genther YOSHIDA, Lead Shepherd, APEC Energy Working Group / Deputy Assistant Secretary, International Energy Cooperation, Department of Energy, USA

Skills and Safety

Mr Chris MURRAY, President, Institution of Gas Engineers & Managers (IGEM), UK

Day 1 PM (20 January 2014)

Session Theme | Gas Safety & Energy Efficiency

Session Chairman | **Ir Duncan WO WONG, Chairman, Gas & Energy Division, The Hong Kong Institution of Engineers**

Session Keynote | **The Application of Innovation and Technology to Enhance the Safety and Reliability of the Gas Distribution System in Hong Kong**
Mr NGO Siu-hing, Simon, Head of Engineering-Hong Kong Utilities, The Hong Kong and China Gas Company Limited

New Gas Receiving Station Operations

Dr CHAN Wai-kuen, Simon, Deputy Director (Black Point Power Station/Penny's Bay Power Station), CLP Power Hong Kong Limited

Key Issue in Promoting the Natural Gas Distributed Energy Sources

Mr FANG Jianping, Director, China City Gas Association, People's Republic of China

Session Chairman | **Ir Dr PL YUEN, Chairman, Building Services Division, The Hong Kong Institution of Engineers**

Session Keynote | **New Energy Efficiency Evaluating Methodology of Air Conditioner and Heat Pump**

Dr Jun-Young CHOI, Team Leader/Principal Researcher, Energy Technology Center, Korea Testing Laboratory, Republic of Korea

Integrated Approach for Building Energy Performance Optimization

Dr Raymond YAU, Arup Fellow, Director of Arup HK, Ove Arup & Partners Hong Kong Ltd.

Hybridization and Electrification - a Vehicle Transition to Better Energy Efficiency

Mr SITU Lixin, Chief R&D Manager, Hong Kong Productivity Council/APAS

Purposes of the Symposium

- To address concerns of key stakeholders and strive towards attaining sustainable growth in connection with economic advancement and environmental conservation, through effective energy management and high level of electrical, gas, mechanical and railways safety.
- To facilitate a multi-dimensional platform for policy makers, professional engineers, energy managers, business decision-makers, academics and internationally renowned experts to share their in-depth knowledge and exchange information on electrical, gas, mechanical and railways safety and energy efficiency.
- To enhance understanding and cultivate co-operation among all parties concerned through ideas sharing on issues in relation to electrical, gas, mechanical and railways safety and energy efficiency.

Opening Address

Mr Wong Kam-sing, JP, Secretary for the Environment, The Government of the HKSAR

Transforming Safety - a Strategy to be the Best

Mr Allan SPENCE, Director of Safety Strategy, Network Rail, UK

IEC International Standards and Conformity Assessment Systems - Tools for Ensuring Safe Products

Mr Dennis CHEW, Regional Director, IEC Asia-Pacific Regional Centre

Organiser:

機電工程署
EMSD



Co-organisers:

HKIE THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會
Building Services Division
屋宇服務分部

HKIE THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會
Electrical Division
電機分部

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香港工程師學會
Gas & Energy Division
燃氣及能源分部

HKIE THE HONG KONG INSTITUTION OF ENGINEERS
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Mechanical, Marine, Naval Architecture & Chemical Division
機械、輪機、造船及化工分部

Sponsors:

CLP 中電

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HK Electric

MTR



Day 2 AM (21 January 2014)

Session Theme	Railways Safety
Session Chairman	Ir Dr HO, Simon Vincent, Honorary Treasurer, Mechanical, Marine, Naval, Architecture & Chemical Division, The Hong Kong Institution of Engineers
Session Keynote	How to Maximize Efficiency of a Railway Without Compromising Safety? Ir T C CHEW, Projects Director, MTR Corporation Limited
	Regulatory Reform of Railway Safety in Australia Mr Rob BURROWS, Director, Office of Railway Safety, Department of Transport, Western Australia
	Sustaining Railway Safety Excellence : a Strong Stakeholder Alignment & Engagement Ir Dr Tony LEE, Chief of Operations Engineering, MTR Corporation Limited
Session Chairman	Ir HO Siu-kwong, Deputy Chairman, Electrical Division, The Hong Kong Institution of Engineers
	Factory Systems Integration Test Programme Undertaken for the Taiwan High Speed Rail Core System Mr Patrik TALAS, Director, Systems Engineering & Assurance, Atkins China Limited
	Safety and Energy Efficient Features of Lifts and Escalators Adopted in MTR New Extensions Ir C L LEUNG, Chief E&M Engineer, MTR Corporation Limited
	Human Factor Risks in Railway Incidents Mr Steven CHOW, Senior Engineer, Electrical and Mechanical Services Department, The Government of the HKSAR

Day 2 PM (21 January 2014)

Session Theme	Electrical & Mechanical Safety
Session Chairman	Ir C L LEUNG, Chairman, Electrical Division, The Hong Kong Institution of Engineers
Session Keynote	How Smart Meters Enable Advanced EE&C Services Mr Wayne PALES, Head of Smart Grid Program, CLP Power Hong Kong Limited
Session Keynote	Holistic Approach for Transmission Switchgear Management for Safe Electricity Delivery Mr K W YAN, Senior Area Engineer (Central), Transmission & Distribution Division, The Hongkong Electric Co., Ltd.
	Applications of PMU for Power System Restoration: Experience of EPRI Dr Yunhe HOU, Assistant Professor, Department of Electrical and Electronic Engineering, The University of Hong Kong
Session Chairman	Ir Prof QIU Huihe, Committee Member, Mechanical, Marine, Naval, Architecture & Chemical Division, The Hong Kong Institution of Engineers
Session Keynote	Latest Development in Automation of Rope Inspection Mr Konstantin KUEHNER, Engineer of Department, Rope Technology , University of Stuttgart, Germany
	A New Approach to Elevator Brake Systems Mr Karl WEINBERGER, Head of Technologies & New Business Development, Schindler Elevators Ltd., Switzerland
	Latest Development, Safety and Energy Efficiency of TWIN Lifts Mr Jörg MÜLLER, Head of Major Project Consulting, ThyssenKrupp Aufzugswerke GmbH, Germany
	Closing Remarks Ir WOO Kin Ming, JP, Deputy Director/Regulatory Services, Electrical and Mechanical Services Department, The Government of the HKSAR

Note : All details are subject to change without further notice

General Information

Date & Time	20-21 January 2014 (Monday & Tuesday); 09:00 - 17:30
Venue	Charles K. Kao Auditorium, I/F, Lakeside 2, Phase II, Hong Kong Science Park, Shatin, New Territories, Hong Kong
Language	English / Putonghua
Registration Fee	HK\$900 per person which covers: - 2-day Symposium - Symposium material - Tea breaks & lunches
Registration & Payment	Please register through the on-line system at the link http://goo.gl/IX7PgU . An acknowledgement together with payment instructions will be issued upon registration. Enrolment will be confirmed only after receipt of payment.
Registration Deadline	11 January 2014
Attendance Certificate	Attendance certificate will be issued upon request.
Symposium Secretariat	For further information, please contact the Symposium Secretariat, Ms April LI [Tel: (852) 2967 8855; Email: aprilagc@gmail.com] or Ms Mandy LEUNG [Tel: (852) 2882 2229; Email: mandy@horizondobson.com]

