



The Hong Kong Institution of Engineers
Mechanical, **M**arine, **N**aval Architecture and **C**hemical Division Conference
 香港工程師學會機械、輪機、造船及化工分部會議

"Advanced Technology In Transportation for a Better Environment"

Date 24 April 2009 (Friday)

Time 0900 – 1730

Venue

Jockey Club Auditorium
 The Hong Kong Polytechnic University



**Register
 NOW!!**

Theme

Enhancing Convenience and Healthy Life in a World Class City - Engineering Solution in Transportation Technology

Objectives

To provide a forum for policy makers, transportation system planners and operators, government officials, consultants, engineering professionals, researchers and industrialists to exchange views on practical, advanced technologies in transportation, so as to meet the increasing demands in environmental control

Organizer:



The Hong Kong Institution of Engineers
 Mechanical, Marine, Naval Architecture and Chemical Division

30th Anniversary
 since 1978



Conference Secretariat
 Unit 909, Favor Industrial Centre,
 2-6 Kin Hong Street, Kwai Chung, NT, HK
 Tel: (852) 2690 3899
 Fax: (852) 2618 4500
 Email: info@hkie-mmnc.org
 Website: www.hkie-mmnc.org/Conference2009


Co-organizer:




Department of Mechanical Engineering
 The Hong Kong Polytechnic University


Supporting Organizations

(in alphabetical order)

 Electrical & Mechanical Services Dept.
 The Government of HKSAR
 機電工程署

 Control, Automation & Instrumentation Division
 The Hong Kong Institution of Engineers
 香港工程師學會控制、自動化及儀器儀表分部

 Gas & Energy Division
 The Hong Kong Institution of Engineers
 香港工程師學會機電及能源分部


 HKAAEE
 Hong Kong Association of Energy Engineers
 香港能源工程師學會

 Hong Kong Automobile Association
 香港汽車會

 Hong Kong Productivity Council
 香港生產力促進局

 IMechE
 Institution of Mechanical Engineers
 英國機械工程師學會

 Marine Dept.
 The Government of HKSAR
 海事處

 The Chartered Institute of Logistics and Transport (Hong Kong)
 香港運輸物流學會

 The Hong Kong Institute of Acoustics
 香港聲學學會

 The Hong Kong Institute of Marine Technology
 香港海事科技學會

 Mechanical Engineering Dept.
 Hong Kong University of Science and Technology
 香港科技大學 - 機械工程系

 School of Science & Technology
 The Open University of Hong Kong
 香港公開大學 - 科技學院

 Mechanical Engineering Dept.
 The University of Hong Kong
 香港大學 - 機械工程系

Steering Committee

(in alphabetical order)

Dr. Colin Brown, Director of Engineering, Institution of Mechanical Engineers
Ir Cheung Ping Kuen, Assistant Director (Gas & General Legislation), Electrical & Mechanical Services Department, HKSAR
Prof. Kitipornchai Sritawat, Head of Building and Construction Department, City University of Hong Kong
Prof. Lam Kin Che, Chairman, Advisory Council on the Environment
Ir Lee Wai Kuen, Assistant Director (Government Fleet), Marine Department, HKSAR
Ir Leung Yu Keung, Deputy Director (General of Civil Aviation), Civil Aviation Department, HKSAR
Ir Li Li Man, General Manager (Manufacturing Technology), Hong Kong Productivity Council
Ir Paul Lo, General Manager (Express Rail Link / Mainland Project), MTR Corporation Limited
Prof. Lu Jian, Head of Mechanical Engineering Department, The Hong Kong Polytechnic University
Ir Prof. Yuen Ming Fai, Head of Mechanical Engineering Department, The Hong Kong University of Science and Technology
Ir Shum Yuet Hung, Principal Engineer (Bus Engineering), The Kowloon Motor Bus Co. (1933) Limited
Ir Prof. S. T. Tan, Head of Mechanical Engineering Department, The University of Hong Kong
Ir Yeung Kwok Leung, Principal Environmental Protection Officer (Assessment & Noise), Environmental Protection Department, HKSAR

Programme

(The programme is subject to change if necessary)

- 0900-0910 Welcome Speech and Souvenir Presentation - Ir Dr. Alex Chan, Conference Organizing Committee Chairman
- 0910-1040 Opening Address - Ms. Wong Sean Yee, Anissa, JP, Permanent Secretary for the Environment / Director of Environmental Protection, Environmental Protection Department, HKSAR Government
Keynote Speaker 1- Mr. Martin Dunn, General Manager (Procurement & Contract), MTR Corporation Limited
Keynote Speaker 2 - Dr. Colin Brown, Director of Engineering, Institution of Mechanical Engineers (to be confirmed)
- 1040-1100 Tea Break
- 1105-1235 **Session 1: Road Transportation I**
- "Hybrid Driveline Technology in City Buses"
Mr. Paul Bromley, Alexander Dennis Limited
- "BRT, The Complete Passenger Transport Solutions"
Mr. Peter Danielsson, Volve Bus Corporation
- "Moving passengers with Hybrid Vehicles"
Mr. Jonathan Poynton, Wrightbus
- Session 2: Land Transportation (Noise & Environment) I**
- "Building on Success - Further Improving the Noise Performance of Light Rail Vehicles"
Dr. Glenn Frommer, MTR Corporation Limited
- "Low Noise Road Surface Technology"
Mr. LIU Ho Hoi, Albert, Ir NG Ping Sum, Mr. TSE Yip Kei, Alvin, Highways Department/Environmental Protection Department
- "Towards Developing Engineering Strategy to Calm Tyre / Road Noise"
Dr. HUNG Wing Tat, The Hong Kong Polytechnic University
- 1235-1400 Lunch
- 1400-1530 **Session 3: Railway Transportation**
- "Latest Technology in Rolling Stock for Energy Saving"
Speaker to be announced, Alstom
- "Retrofitting Platform Screen Doors to a Running Railway - What does it mean to us?"
Mr. TONG Kwok Wai, Dono, MTR Corporation Limited
- "深圳地鐵裝備新技術"
簡煉先生(Mr. JIAN Lian), 深圳市地鐵有限公司
- "Use of Regenerative Braking in Achieving Energy Saving for a 25kV Railway System"
Dr. Tony LEE, MTR Corporation Limited
- Session 4: Marine / Air Transportation**
- "Going Green for Government Fleets"
Ir WONG Chi Kin, Marine Department
- "Environment and Safety Aspects of High Speed Marine Craft"
Ir Ernest CHAN, Hong Kong Institute of Marine Technology,
Dr. Alan S T TANG, Hong Kong Institute of Vocational Education (Tsing Yi), Dr. Trevor Dobbins, ST Research Ltd., UK
- "Aviation and the Environment: Addressing the Technology Challenge"
Dr. Mark Watson, Cathay Pacific Airways
- 1530-1600 Tea Break
- 1600-1730 **Session 5: Land Transportation (Noise & Environment) II**
- "Advanced Noise and Vibration Control Technologies for Railway on Viaduct and in Tunnel"
Mr. Richard KWAN
- "Managing Environmental Noise from Metropolitan City by Advanced Information Technologies"
Dr. C W LAW, Environmental Protection Department
- "Spatial Decomposition of Traffic Noise with Microphone Array Measurement"
Prof. TANG Shiu Keung, The Hong Kong Polytechnic University
- Session 6: Road Transportation II**
- "Hybrid and Clean Fuel Initiatives"
Mr. Anders Rundberg, Volve Bus Corporation
- "Parallel and Serial Hybrid Systems for City Bus Applications"
Dr. Johannes Bruchner, Voith Turbo GmbH & Co. KG
- "Building a Local Vehicle Emission Database Using Portable Emissions Measurement Systems (PEMS)"
Dr. WONG Ka Lok, Environmental Protection Department

Fees

	Early Bird Registration*	Normal Registration*	Full Package*
HKIE Members	\$700 (per head) <input type="checkbox"/>	\$750 (per head) <input type="checkbox"/>	\$850 (per head) <input type="checkbox"/>
Non-HKIE Members	\$800 (per head) <input type="checkbox"/>	\$850 (per head) <input type="checkbox"/>	\$950 (per head) <input type="checkbox"/>

* Early Bird Registration fee will cover attendance at the full-day conference programme, a conference proceeding, a lunch and two tea breaks. Deadline: 24 February 09

† The Normal Registration fee will cover attendance at the full-day conference programme, a conference proceeding and two tea breaks.

‡ The Full Package fee will cover attendance at the full-day conference programme, a conference proceeding, a lunch and two tea breaks.

Registration

Please fill in the registration form and send to the Conference Secretariat, c/o Unit 909, Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung, N.T., H.K., or by fax (852) 2618 4500. Please mark the no. of participant(s) at the box(es) of applicable fee as listed above. Please make cheque payable to "HKIE-MMNC Division". No refund may be made, but substitute delegate is allowed. Receipts will be issued to the person name below. If individual receipts are required, please use separate forms or photocopies.

For the amount in HK\$ _____ For the total no. of _____ persons
Name: _____ Organization: _____
Contact Tel: _____ Fax: _____ Email: _____
Mailing Address: _____