



香港工程師學會

THE HONG KONG INSTITUTION OF ENGINEERS

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ENVIRONMENTAL DIVISION ANNUAL REPORT FOR SESSION 2010/2011



Chairman's Report

First of all, I must express my sincere thanks to you all for your unreserved support and active participation in our activities which makes the Environmental Division a very fruitful year.

We adopt a “Three-Open” approach, namely “Open Our Eyes” to keep a close watch on global and local environmental concerns; “Open Our Mouth” to voice out our professional views on government policies and issues of public interest; and “Open Our Ears” to listen to your views and suggestions on how we could serve you better.

A Strategic Planning Workshop was conducted as the first of its kind in last August to review the effectiveness of our past policies and activities with a view to identifying the areas of improvement and way forward for quality membership service.

To further enhance our service to members, we expand our collaborative network with local universities as well as a number of local, Mainland and overseas professional bodies including Chartered Institute of Water & Environmental Management, Hong Kong Institution of Environmental Impact Assessment, Hong Kong Waste Management Association, Hong Kong Association of Energy Engineers, Energy Institute (Hong Kong Branch), Green Council, Guangdong Association of Science & Technologies, Guangxi Association of Science & Technologies, Macau Institution of Engineers, etc.

Learned Society Activities

We adopt “Quality Living in Metropolitan Cities” as the main theme of this session. About 80 learned society events including seminars and technical visits on a wide spectrum of topics were



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organized and received overwhelming response from members. Major areas of interest include climate change and carbon neutrality, solid and nuclear waste management, water resource management, water and wastewater treatment technologies, environmental quality and oil-spill monitoring, environmental infrastructure projects and budgeting, environmental planning and impact assessment, urban revitalization, green slopes and roofs, green buildings and cyber-architecture, public engagement, emotion management and route to professional environmental engineer. Eco-tours were also organized to enable our members to have a close encounter with our nature. We also take part and support over 20 activities organized by other local and Mainland parties such as a talk on renewable energy in Hong Kong at the Hong Kong Book Fair, Green Carnival and some international conferences on environmental issues. A summary of these activities are shown in Annex. An unprecedented number of book prizes were presented to graduate and young members on reporting different CPD activities.

Our Annual Reception was held in October with positive feedback from the guests and participants. Our Guest of Honour Dr Rebecca Lee, a renowned adventurer, shared with us her experience in Arctic and Antarctic exploration and environmental conservation.

One of the highlights of this session is the Annual Seminar on “Green Transport for Low Carbon City”. This seminar provided a forum for discussion on growing importance of energy efficient and low emission transport modes and policies. This annual event received great attention and support of the HKSAR Government and engineering community with an attendance of over 250. Prominent speakers presented their views and experience on green transportation policies and technologies and their application to air, land and marine transports with great interaction with the participants.

This session was honoured by the fact that the Division is the host of the 5th Symposium of Sustainable Development. “Creating Quality Living in the Pearl River Delta” was the main focus of this annual event which was held in Hong Kong, Macau and Guangzhou in turn with technical presentations and discussion on timely issues of concern.

We also take a step further beyond Hong Kong by participating in the 7th China-ASEAN Expo held in Guangxi and GHMT Forum held in Xiamen last October and November respectively. Papers on solid waste management, landfill restoration, green construction site, circular economy were presented by members of the Division and received positive feedback from the audience.

Environmental Paper Award was successfully launched with nine entries of quality technical papers on engineering researches and projects received.

To be a green role model, we present special but meaningful certificates issued by the Community Chest to the speakers and hosts of learned society activities as a token of appreciation and donation to the needy. This serves as a mode of social responsibility in addition to our professional service to members.

ECOMATIC Committee



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All the above would not happen without the dedication, hardwork and contribution of an ECOMATIC (ECO-friendly, COMmitted, pragMATIC and energeTIC) committee with strong commitment and balanced representation. I must express my gratitude to the untiring support and devotion of the committee members who makes the Division a great success this session.

Committee Members

Ir C.F. LAM	Chairman
Ir Dr C.W. TSO	Immediate Past Chairman
Ir Dr Louis F.S. LOCK	Deputy Chairman
Ir T.Y. IP	Honorary Secretary
Ir C.S. LAM	Honorary Treasurer
Ir Johnson K.C. LEE	Community Service Committee Representative, Deputy Programme Convener
Ir Anthony L.F. KWAN	Continuing Professional Development Committee Representative
Mr. James K.K. LAU	Public Relations Committee Representative
Ir Dr Simon S.O. HO	Committee Member
Ir Richard S.T. CHAN	Committee Member
Ir Kenny S.W. WONG	Chairman of Annual Seminar 2011
Ir Herman T.K. AU	Webpage Manager
Ir Y.H. CHEUNG	Committee Member
Ir K.P. YIM	Committee Member
Ir Andrew N.Y. YUEN	Programme convener,
Ir Benny Y.K. WONG	Committee Member & Ex-officio Member (Discipline representative)
Ir Prof Irene M.C. LO	Committee Member & Convener of Environmental Paper Award 2011
Mr Benjamin Y.B. LAM	Ex-officio Member (AMC Representative)
Ms Carmen K.M. LING	Ex-officio Member (YMC Representative)
Ir Patrick W.M. NG	Ex-officio Member - Council Member (Division) & Climate Change Corner Convener
Ir Emily W.S. HUNG	Co-opted Member, Deputy Webpage Manager, Student & Graduate Representative Mentor
Ir P.C. LO	Co-opted Member
Ir Stephen M.C. LEE	Co-opted Member
Miss Flora Y.T. Mok	Helpers Co-ordinator
Mr. Ted T.Y. YEUNG	Graduate representative
Miss. Nikita H.H. CHAN	Student representative
Miss. Mandy S.M. WONG	Student representative
Mr. Eddie C.Y. WONG	Student representative

Membership and Service

Being your professional partner, the Division puts a strong focus on quality membership service. Great effort was put on fostering professionalism and engineering excellence through an elaborated plan for learned society and CPD activities as mentioned above.



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We also join hands with the Environmental Discipline Advisory Panel to promote the environmental discipline and enlarge the membership base. By the end of March, the membership of the Division grows from 4,767 to 4,803. These consist of 2 Honorary Fellows; 198 Fellows, 2,812 Members, 5 Companions, 1,093 Graduates, 284 Associates, 308 Students and 101 Affiliates. Moreover, there are 244 members of Environmental Discipline.

For greater user-friendliness, our website was revamped to facilitate e-enrolment for learned society activities. We also gauge the feedback of members in attending various activities with a view to exploring means to further enhance our service quality.

Financial Status

The Division began this session with a balance of HK\$ 398,162.56 and received a total allocation of HK\$ 99,000 from the HKIE Headquarters. By the end of March 2011, there is total of HK\$ 360,258.61 in the account of the Division.

Last but not the least, we are not alone on the road towards professionalism and quality living. You are our strategic partner. We count on your continuous support and participation to make the Division even more prosperous in the years ahead.

Ir C.F. LAM
Chairman
The HKIE Environmental Division
Session 2010/2011



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Annex - Schedule of Technical Meetings and Visits 2010/2011

DATE	TITLE
17.7.2010	Technical Visit to Ball Asia Pacific Shenzhen Metal Container Ltd. and Sherex Fire Proof Materials Factory at Shenzhen
23-7-2010	Seminar on “Serving the Community with Your Professional Engineers”
30-7-2010	Seminar on “Carbon Neutrality in accordance with PAS 2060”
31.7.2010	Technical Visit to Hong Kong Observatory
14.8.2010	Technical visit to Ceramic tile manufacturing factory at Foshan
14-8-2010	EVD Strategic Planning Workshop
16-8-2010	Seminar on “風水，環境與工程”
17-8-2010	Seminar on “Transgenic Fish for Biomonitoring Estrogen-Like Substances”
24-8-2010	Seminar on “The Latest on Climate Change in Hong Kong and its Challenges and Opportunities”
28.8.2010	Technical Visit to wastewater treatment facility (MBR) at bean product factory
28-8-2010	Seminar on “Causes and Preventive Measures for Mudslide Disaster”
8-9-2010	Seminar on “Debris Flow”
9-9-2010	Seminar on “Design and Construction of HK Pavilion at World Exposition 2010, Shanghai”
25-9-2010	Technical visit to the Transgenic Fish Development Facility and Marine Environmental Research Facilities of CityU
27-30-9-2010	The 5th Symposium on Sustainable Development: “Creating Quality Living in the Pearl River Delta Region”
14-10-2010	Seminar on “Drinking Water Quality in Hong Kong – From Source to Tap”
15-10-2010	Seminar on “A Novel Design of a Frequency Converter for Harvesting Wasted Vibration from Operating Machines”
19-10-2010	Seminar on “Opportunities arising from Climate Change”
26-10-2010	Annual Reception
28-10-2010	Seminar on “Slope Greening in Hong Kong - From the Time of Sprayed Concrete to Trees and Grass”
30-10-2010	Technical Visit to Eco-Glass Block Manufacturing Plant and Construction/Demolition Wastes Recycling Plant
5-11-2010	Seminar on “Public Engagement in the Development Process: Facilitator or Deterrent”
11-11-2010	Seminar on “Environmental Materials for Waste and Water Treatment Technologies”
20-11-2010	Technical Visit to Ecopark
25-11-2010	Seminar on EIA for HEC’s proposed Offshore Wind Farm Project
27-11-2010	Technical Visit to Lamma Power Station
4-12-2010	Technical Visit to Daya Bay Nuclear Power Station
6-12-2010	Seminar on “Non-dredge seawall for the Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities”
8-12-2010	Seminar on “Roadmap Towards a Low-Carbon Power Sector”



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DATE	TITLE
9-12-2010	Seminar on “Odour Assessment – Taiwan Experience”
16-12-2010	Seminar on “Intelligent Technologies for Smart Buildings”
8-1-2011	Technical Visit to Green Manufacturing - TAL Apparel Ltd Factory in Mainland
10-1-2011	Seminar on “Buying Green for Corporate Social Responsibility”
13-1-2011	Seminar on “Green Information & Communication Technologies: Optimizing Energy Saving Strategies & Best Practices”
14-1-2011	Seminar on “Oil-spill monitoring from satellite remote sensing images”
17-1-2011	Seminar on “How to Make Old Buildings Green”
23-1-2011	Visit to Sai Kung High Island Geopark
24-1-2010	Seminar on “Detection, Formation and Marine Ecotoxicity of Polar Brominated Disinfection Byproducts from Chlorination of Saline Sewage Effluents”
26-1-2011	Seminar on “Financial Budgeting for Environmental Projects”
26-1-2011	Seminar on “An Analysis of Hong Kong’s Temperature and Rainfall”
15-2-2011	Seminar on “A practical approach to Carbon Management at HK International Airport – a case study”
17-2-2011	Seminar on “SANI wastewater treatment technology”
21-2-2011	Seminar on “Nuclear Waste Management”
24-2-2011	Seminar on “Harbour Area Treatment Scheme Stage 2A”
26-2-2011	Technical Visit to the Upgrading Works at Stonecutters Island Sewage Treatment Works
5-3-2011	Technical Visit to Waste Recycling Facilities at Kowloon Bay – Waste Recycling Centre
10-3-2011	「廢物問題迫在眉睫：出路何在？有無必然方案？」研討會
16-3-2011	Seminar on “Global Warming and Typhoon Activity”
16-3-2011	Forum on “Integrated Waste Management Facilities: A Technical Perspective”
18-3-2011	Seminar on “Green Technologies and Living Series 2: Green Transportation”
21-3-2011	Seminar on “Construction of Modern Waterworks in China (1842-1911)”
23-3-2011	Seminar on “EIA Study for New Railway Projects”
25-3-2011	Seminar on the Fukushima Daiichi Nuclear Power Plant & Loss-of-Coolant Accident
26-3-2011	Technical Visit to Kwai Chung Incinerator Demolition and Site Decontamination
26-3-2011	Eco-tour to Long Valley Freshwater Wetland
31-3-2011	Seminar on “Design and Provision of Greening in Public Housing Development, and the Latest Requirements”
6-4-2011	Seminar on “Underground Labyrinths – Stormwater Drainage Tunnels in Hong Kong”
7-4-2011	Annual seminar on “Green Transport for Low Carbon City”
11-4-2011	Seminar on “Reliability of Nuclear Power”
14-4-2011	Seminar on “Ozone Applications for Hong Kong”
16-4-2011	Technical Visit to Hong Kong West Drainage Tunnel
19-4-2011	AGM & Seminar on “Water Resources Management & Sustainable Management in China”

For more updated information, please visit homepage for the Division, <http://ev.hkie.org.hk> managed by Ir Herman Au.