



## Annual Report for Session 2008/2009

### 1. Foreword

Session 2008/2009 has been a very active year for the Electrical Division. With one more meeting in June, the Division Committee would have held eleven Division Committee meetings to discuss and plan activities (both local and overseas) for Members.

### 2. Technical Programme and Publications Sub-committee (chaired by Ir Dr. Edward Lo)

Including three more events in May and June 2009, Ir Dr. Edward Lo would have organized eighteen technical talks / seminars in the Session. More than 40 attendees on average were recorded for each of the talks / seminars.

<b>Date</b>	<b>Event</b>	<b>Speaker</b>
26/6/2008	“廣東電網的現狀及發展未來”與“電網凝凍災害的形成及其防禦”	徐達明(廣東電網公司副總經理)及張文峰主任(廣東電網公司生產技術部主任)
19/8/2008	Solution of Power Quality Problems	Dr. Kurt Schipman of ABB Jumet
25/9/2008	Calibration of Sound Level Meters In Accordance With the Latest International Standard: IEC61672:3-2006	Ir Dennis Lee of Innovation and Technology Commission
14/10/2008	Experience Sharing on Cleaner Production Technologies for Industries	Ir Raymond Fong of Hong Kong Productivity Council
22/10/2008	國家高速鐵路發展概況	張曙光局長, 國家鐵道部副總工程師兼運輸局局長、客運專線(高速鐵路)副總設計師
7/11/2008	A One-Day Workshop On “Small Signal Stability And Oscillation Damping Control”	Dr. Nelson Martins of CEPEL and Dr CY Chung of Hong Kong Polytechnic University
13/12/2008	Technical Seminars on “Energy Saving and Environment Protection Technology Forum – Guangdong, Hong Kong and Macau”	A number of local and mainland speakers
19/12/2008	防雷安全 – 超高壓到航太工程	中國工程院院士鄭健超先生
20/12/2008	中國的能源政策與挑戰	中國工程院院士鄭健超先生



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18/2/2009	Energy and Carbon Audit	Ir Dr. F. C. Chan of CLP Engineering
25/2/2009	Regulatory Measures for Consumer Products Safety in Singapore	Mr. Michael ONG of Singapore Productivity and Innovation Board
5/3/2009	Energy and Carbon Audit (a repeated talk of that of 13/2/2009)	Ir Dr. F. C. Chan of CLP Engineering
16/03/2009	New Approach to Energy Auditing and Management	Dr. T. F. Tsang of City University of Hong Kong
28/4/2009	Energy and Carbon Audit	Ir Kenneth Li of Parsons Brinckerhoff (Asia) Ltd.
29/4/2009	Practical issue on grid connection of renewable energy systems	Ir Prof. S. L. Ho, EE Department, Hong Kong Polytechnic University
6/5/2009	Talk on “Kuolin Qigong” at AGM of the Division	Mr. Alex Chui
29/5/2009	Identification of transmission line for power system power swing blocking protection,	Dr. Z.Y. Dong, EE Department, Hong Kong Polytechnic University
22/6/2009	The new CoP for Electrical Wiring	Representatives from EMSD, HKSARG

3. Twenty-Sixth Annual Symposium (chaired by Ir Gary Ko)

The 26<sup>th</sup> Annual Symposium was held on 23<sup>rd</sup> October 2008 at the Sheraton Hotel. The Symposium Organizing Committee was chaired by Ir Gary Ko, with Ir Y.K. Chu as the Symposium Secretary. The theme of the Symposium was “Mega Projects – Hong Kong and Beyond”, for which nine papers were presented. Ir Peter Wong, President of the HKIE, delivered the Opening Address, Mr. Ricky Wong, Chairman of Hong Kong Broadband Network Limited, gave the Keynote Speech and Ir K.W. Ho, JP, Director of Electrical and Mechanical Services, delivered the Closing Address. Over 300 participants attended the Symposium and their response was enthusiastic.

4. Local Technical Visit Committee (chaired by Ir Frank Ng)

The Committee had organized six technical visits to places of technical interests to members. With positive response received in the last session, the Committee conducted three 1-day technical visits in Mainland China. On average, 50 members were enrolled for each visit in Mainland China.

<b>Date</b>	<b>Place of Visit</b>
30/8/2008	International Commerce Centre
11/10/2008	Grand Halo LED Factory at Dongguan
13/12/2008	HK International Airport Control Centre
10/1/2009	Ngong Ping 360 Cable Car
28/2/2009	Keystone Cable Factory at Dongguan



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28/3/2009

Efatar Air conditioning Factory at Shunde

5. Mainland Visit Sub-committee (chaired by Ir David Yuen)

A technical visit to Shaoguan and Guangzhou was organized from 5 December to 9 December 2008. 18 members had joined the delegation. The visit included meetings with the representatives of the utilities and local associations in electrical and science field in Shaoguan and the delegation had kept abreast of the latest development of the power industry in Guangdong Province.

6. Overseas Technical Visit Sub-committee (chaired by Ir Edward Yeung)

A 15-day technical visit to France was organized between 17 to 31 May 2008 to update our members with the latest development in electrical and building services products and equipment in Europe. 30 participants joined the tour to visit the Siemens switchgear factory in Grenoble; the Philips Outdoor Lighting Application Centre (OLAC) in La Valbonne; Airbus factory in Toulouse and had an in-depth discussion with EDF in Paris.

7. ICEE Conference

The International Conference on Electrical Engineering (ICEE) 2008 was held in Okinawa from 6 – 10 July 2008 and offered a very good and precious opportunity for electrical engineers from all over the world with various specialties met together, inspired each other, and shared vision toward our sustainable future. Representatives from the Division had the opportunity to meet over 400 delegates from 23 countries.

8. Membership Drive Subcommittee (chaired by Ir Eric Chui)

Two series of membership drive presentations was organized at HKU, HK Poly U, IVE (Tsing Yi) and IVE (Haking Wong) in November 2008, March and April 2009 respectively. Each series of talks comprised of two to three presentations in different individual institutions. Contents of the presentation included the introduction of the HKIE, Electrical Division; careers in the government, power utilities, consultants and contractors; benefits of being a member of the HKIE; and path of joining the HKIE.

9. External Relationship (Public Relations Committee) (represented by Ir Simon Chung)

Ir Simon Chung, who represented the Division in the Public Relations Committee, had led Division members to support the activities on promoting the public relations of the HKIE.

10. Reaching the Teen Programme (chaired by Ir Geoffrey Chan)

The Programme was set up in this Session to reach out secondary schools to promote the engineering career to secondary school students. In addition to meeting with students in schools,



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a technical visit to the Shatin Treatment Plant had been organized.

11. Community Service Committee (represented by Ir Geoffrey Chan)

Ir Geoffrey Chan, as a member of the Community Service Committee, had served as the link of the Division to provide prompt and constructive comments to consultation papers issued by the HKSAR Government and other statutory / professional bodies, and nominate Members to serve on external Boards and Committees.

12. Continuing Professional Development Committee (CPD) (represented by Ir W. K. Lee)

Ir W.K. Lee, who represented the Division in the CPD Committee, had updated Division members on all matters related to CPD requirements.

13. HKIE Boards and Committees

The Division also actively participated in the work of the Institution with Division Committee Members serving in the following Board and Committees:

- Council Members (Ir Gary Ko [EOM], Ir Dr. F.C. Chan [Vice President] and Ir T.H. Tai [Division])
- Discipline Representative (Ir Stephen H. C. Chan)
- Learned Society Board (represented by the Chairman, Ir S.K. Ho)
- Public Relations Committee (represented by the Deputy Chairman, Ir Simon Chung)
- Community Service Committee (represented by the Hon. Secretary, Ir Geoffrey Chan)
- Continuing Professional Development Committee (represented by Ir W.K. Lee)

14. Publication and Communication with Members

Ir Dr. Edward Lo and Ir C. L. Wong had served as the authorised representatives of the Division to update the journal of HKIE (*Hong Kong Engineer*) on the Electrical Blog, activities and notice of the Electrical Division. For the Electrical Blog, up to May 2008, a total of 32 articles have been published in the journal.

15. Annual Dinner (chaired by Ir Simon Chung)

In order to provide an opportunity for annual gathering of members, Annual Dinner 2009 was held on 24 April 2009 at the Eighteen Brook Cantonese Cuisine. Over 190 guests and members attended the event.

16. Energy Innovation Project Competition (chaired by Ir Ho Siu-kwong)

The programme is sponsored by CLP Power Hong Kong Limited and is to span through 2



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academic years 2009/10 and 2010/11 at about \$1 million per year. The target participants are secondary school students to propose and implement projects with innovative ideas to develop energy efficient initiatives or to promote energy efficiency to the community. The programme may be further extended for another 2 years up to 2013.

#### 17. Task Group for Division Video (chaired by Ir T. H. Tai)

A task group has been formed to update the Division Video by enriching the contents with our recent initiatives and the prevailing development in electrical engineering field. The new edition of the video was launched in the Annual Dinner on 24 April 2009.

The Committee of the Electrical Division has been organizing activities to promote and advance the profession of electrical engineering. Technical talks and visits, seminars and conferences, reach-out programmes as reported above are among some of the work of the Committee. While serving over 3,000 members, the Committee also develops, formulates and implements plans to introduce the profession to the younger generation. To nurture the youth and to develop and advance our members are the glorious tradition and missions of the Committee.

I would like to thank all Committee Members for their devotion to the Division. Only with their unfailing supports and active participation, I am able to ride through the Session. Immersed in a culture of dedication and continuous improvement, the Division is sailing to develop and advance so as to meet the needs and aspiration of all Members.

(Ir Ho Sai-king)

Chairman, Electrical Division Session 2008/09

25 April 2009



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### Electrical Division Committee Session 2008/2009

Chairman	Ir Ho Sai-king	
Immediate Past Chairman	Ir Gary C.W. Ko	
Deputy Chairman	Ir Simon F.W. Chung	
Honorary Secretary	Ir Geoffrey L. Chan	
Honorary Treasurer	Ir Y. K. Chu	
Members	Ir P. K. Chan Ir C. S. Ho Ir Dr. Joe W. H. Lau Ir Dr. K. M. Leung Ir Albert W. K. To Ir Edward Y. H. Yeung	Ir Eric C. H. Chui Ir Henry H. C. Lam Ir W. K. Lee Ir Frank K. L. Ng Ir Gordon M. S. Woo
Ex-officio Members	Ir T. H. Tai Ir Stephen H. C. Chan Mr. Indi W. F. Wong Ir Mandy Leung	(Council Member/ Division) (Discipline Representative) (AMC Representative) (YMC Representative)
Co-opted Members	Ir Y. H. Chan Ir Morris S. W. Cheung Ir Dr. Edward W.C. Lo	
In Attendance	Ir Peter Y. Wong Ir David C. M. Yuen Ir Leonard C. P. Lee Ir Dr. F. C. Chan Ir T. P. Uy Ir Joseph C. M. Leung Ir P. N. Ip Ir Prof. K. P. Wong Ir Ho Siu-kwong Ir Tony K. T. Yeung Ir C. L. Wong Ir Kenny C. M. Chan Ir W. S. Tam Ms. Christine H. Y. Tse	Past Chairman as advisor Past Chairman as advisor Past Chairman as advisor Past Chairman as advisor Past Chairman as advisor Past Chairman as advisor Past Chairman as advisor Past Chairman as advisor