



## Annual Report for Session 2007/2008

### 1. Foreword

Every elapsed year is part of history but Session 2007/2008 is a memorable year for the Electrical Division. With our deep sadness, the Division Chairman, Ir Yung Kai-man, passed away on 4 October 2007. The Division Committee was then reformulated in accordance with the Division rules and continued to carry out determined missions as scheduled. With one more meeting in June, the Division Committee would have held eleven Division Committee meetings for the Session to plan and organise activities for members.

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

Including one more event in June 2007, Ir Dr. Edward Lo would have organised eleven technical talks / seminars in the Session. More than 40 attendees on average were recorded for each of the talks / seminars.

Item	Date	Event	Speaker
1	27/8/2007	Standby Generators and Related Issues	Ir Peter Long of JEC
2	21/9/2007	Integrating BIPV System to BEMS	Dr. K.H. Lam of Jiawei Solarchina
3	31/10/2007	Mechanical Pole Testing Methodology for Electric Utilities	Ir Dr. F.C. Chan of CLP Engineering
4	28/11/2007	Surge Protection of Electrical Installation in Buildings	Mr. Francis Law of ESET
5	21/12/2007	Power System Stability and Control	Dr. P.S. Kundur of Power Labs Inc.
6	29/1/2008	Computational Intelligence Applications in Power Systems	Ir Dr. C.Y. Chung of PolyU
7	15/2/2008	Costs of Electricity Deregulation	Dr. C.K. Woo of Energy & Environmental Economics Inc.
8	19/2/2008	Route to Professional Electrical Engineer	co-organised with YMC
9	23/4/2008	Low Voltage Power Factor Correction & Harmonics Filtering	Mr. Stephen Cheung of Schneider Electric
10	22/5/2008	Opportunities and Challenges in Power Quality Research (Joint function with IET HK & IEEE HK Joint Chapter)	Prof. Wilsun Xu of University of Alberta
11	10/6/2008	A New Customer Care Model for Electricity Supply Business	Ir C.F. Ho of CLP Power

### 3. Twenty-Fifth Annual Symposium

The 25th Annual Symposium was held on 23 October 2007 at the Sheraton Hotel. The Symposium Organising Committee was chaired by Ir Professor K.P. Wong with Ir Y.K. Chu as the Symposium Secretary. The theme of the Symposium was “Greener Energy, Economy & Environmental Challenges in Electrical Engineering” at which nine papers were presented. Ir Dr. W.K. Lo, President of the HKIE, delivered the Opening Address, Mr. Edmond Lee, Executive Director and Regional Head of Utilities and Infrastructure of JP Morgan, gave the Keynote Speech and Ir Otto Poon, Past President of the HKIE, delivered the Closing Address. Over 300 participants attended the Symposium. To celebrate the success of the event for the past 25 years, a souvenir tie (designed with the new colour code) and a micro memory stick (containing the past 25 years symposium publication) were given to each symposium participant.



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

Ir Frank Ng had organised six technical visits to places of technical interests to members. One initiative had been started in this Session: to conduct 1-day visit to site outside HKSAR. With positive response received, the Committee will explore more outside HKSAR visits in future. In average, 20 members were enrolled for each visit.

Item	Date	Place of Visit
1	22/9/2007	Hong Kong Post – Airmail Centre in Lantau
2	10/11/2007	New China Laundry
3	19/1/2008	ABB Transformer Manufacturing Factory in Zhongshan
4	23/2/2008	Tamar Station Building of the Hongkong Electric
5	29/3/2008	HKUST Building Services systems
6	12/4/2008	Olympic Site for Equestrian Event in Shatin

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

Ir David Yuen had organised a technical visit to Changsha from 12 September to 16 September 2007. 23 members had joined the delegation.

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

Ir Edward Yeung had organised a 15-day technical visit for 33 participants to Estonia, Latvia, Lithuania, Poland and Germany between 28 July to 11 August 2007.

7. ICEE Conference

The International Conference on Electrical Engineering (ICEE) 2007 was held in Hong Kong from 8– 12 July 2007. With an aim to provide a forum for the exchange of knowledge, experience and ideas among electrical engineers worldwide, the theme was Intelligent Clean Efficient Electricity for the 21<sup>st</sup> Century with focus on Sustainability and Reliability. Over 400 delegates from 23 countries had attended the conference.

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

Ir Eric Chui had organised two series of membership drive presentations at HKU, HK Poly U, IVE at Tsing Yi and Haking Wong in November 2007 and March 2008 respectively. Each series of talks comprised 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 Gary Ko)

Ir Gary Ko, who represented the Division in the Public Relations Committee, had led Division members to support the activities to promote the public relations of the HKIE. Two visits had been conducted by the Division Committee to strengthen external relations. They are the Liaison Office of the Central People's Government in HKSAR on 26 January



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2008 and Ngong Ping 360 on 8 March 2008. We also had 3 representatives attended the Chinese Society for Electrical Engineering Annual Meeting held on 19 November 2007 at Dongguan.

10. Technology Competition for Secondary Schools (chaired by Ir Dr. Edward Lo)

Together with the Education Bureau, the Electrical & Mechanical Services Department, Science Museum, Hong Kong PolyU and CLP Power Hong Kong Limited, the Division had organised a technology competition for secondary schools. The result would be announced in the Division Annual Dinner on 6 May 2008 followed by the prize presentation. All finalists had been invited to the Annual Dinner to witness the event.

It is note worthy that the 2007 essay competition for secondary schools students were also successfully carried out with prize presentation at the ICEE 2007 banquet and the champion team received a learning trip to Beijing.

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

The Programme was set up in this Session to reach out secondary schools to explain and promote the engineering career to secondary school students. In addition to meeting with students in schools, technical visits had been organised.

12. Community Services Committee (represented by Ir S.K. Ho)

Ir S.K. Ho, as a member of the Community Services 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 nominating Members to serve on external Boards and Committees.

13. Continuing Professional Development Committee (CPD) (represented by Ir Simon Chung)

Ir Simon Chung, who represented the Division in the CPD Committee, had updated Division members on all matters related to CPD requirements.

14. 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) and Ir Dr. F.C. Chan (Division)]
- Discipline Representation (Ir Stephen Chan)
- Learned Society Board (represented by the Chairman, late Ir K.M. Yung / Ir Gary Ko)
- Public Relations Committee (represented by the Chairman, Ir Gary Ko)
- Community Service Committee (represented by the Deputy Chairman, Ir S.K. Ho)
- Continuing Professional Development Committee (represented by the Hon. Secretary, Ir Simon Chung)
- HKIE Transaction – Editor / Electrical (Ir Professor S.L. Ho)



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#### 15. Publication and Communication with Members

Ir Dr. W.C. Lo and Ir C. L. Wong had served as the authorised representatives of the Division to update the journal of the HKIE, Hong Kong Engineers on the Electrical Blog, activities and notice of the Electrical Division. For the Electrical Blog, up to May 2008, a total of 20 articles have been published in the *Hong Kong Engineer*.

#### 16. Peking University Study Programme

Through the Liaison Office of the Central People's Government in HKSAR, a Study Programme had been organised between 12 – 19 April 2008 to Peking University. The Programme which was attended by 28 participants comprised 4 days of class room lectures and 2 days of technical visits.

#### 17. Past Chairmen Gathering

For over 30 years, the Electrical Division has been led by many able hands. A gathering was held on 10 January 2008 between past Chairmen and existing Office Bearers. 15 past Chairmen of the Electrical Division were present in the evening.

#### 18. Annual Dinner

In response to the suggestion of some members, a gala annual dinner would be held immediately after the AGM on 6 May 2008. It is envisaged that over 360 guests and members would attend the event.

The Committee of the Electrical Division has been organising 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 all 3,300 members, the Committee also develops, formulates and implements plans to introduce the profession to the younger generation. To nurture the youths, 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 support 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 Gary C.W. Ko)  
Chairman, Electrical Division 2007/08 Session  
May 2007



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### Electrical Division Committee 2007/2008

Chairman	Late Ir K.M. Yung / Ir Gary C.W. Ko*
Immediate Past Chairman	Ir Professor K.P. Wong
Deputy Chairman	Ir Gary C.W. Ko / Ir S.K. Ho*
Honorary Secretary	Ir S.K. Ho / Ir Simon F.W. Chung*
Honorary Treasurer	Ir Y.K. Chu

(note: \* after 9 October 2007)

Members	Ir Geoffrey L. Chan	Ir P.K. Chan
	Ir Eric C.H. Chui	Ir Simon F.W. Chung #
	Ir C.S. Ho	Ir Henry H.C. Lam
	Ir Dr. Joe W.N. Lau	Ir W.K. Lee
	Ir Dr. K.M. Leung	Ir Frank K.L. Ng
	Ir Gordon M.S. Woo	Ir Edward Y.H. Yeung

(note: #before 9 October 2007)

Ex-officio Members	Ir Dr. F.C. Chan (Council Member / Division)
	Ir Stephen Chan (Discipline Representative)
	Mr. Indi W.F. Wong (AMC representative)
	Mr. Ken T.K. Chan (YMC Representative)

Co-opted Members	Ir Dr. Edward W.C. Lo
	Ir Albert W.K. To
	Ir C.L. Wong

In Attendance	Ir Peter Y. Wong
	Ir David C.M. Yuen
	Ir Leonard C.P. Lee
	Ir T.P. Uy
	Ir Joseph C.M. Leung
	Ir P.N. Ip
	Ir T.H. Tai
	Ir Kenny C.M. Chan
	Ir Y.H. Chan
	Ir W.S. Tam
	Ms. Christine H.Y. Tse