



Electrical Division

電機分部

33rd Annual General Meeting
Session 2011/2012

8 May 2012

Agenda

- **To receive and confirm the Minutes of the 32nd Annual General Meeting held on 6 May 2011**
- **To receive and adopt the Annual Report on the Activities of the Division during 2011/2012 Session**
- **To receive and adopt the Financial Statement of the Division for the 2011/2012 Session**
- **To Elect the Chairman and Ordinary Members of the Division Committee for the 2012/2013 Session**
- **Any Other Business**

Electrical Division
電機分部

**Annual Report
for Session 2011/2012**

8 May 2012

Electrical Division Committee 2011/2012

Chairman	Ir Dr LEUNG Kin Man		
Immediate Past Chairman	Ir Geoffrey CHAN Loong		
Deputy Chairman	Ir Albert TO Wang Kam		
Hon Secretary	Ir LEUNG Lap Chi		
Hon Treasurer	Ir HO Siu Kwong		
Members	Ir CHU Yim Kwong Ir CHAN Ping Kee Ir Gordon WOO Man Shing Ir Morris CHEUNG Shiu Wa Ir TAM Wing Shing	Ir CHAN Yiu Hon Ir HO Sai King Ir TANG Sing Sum Ir Prof CHAU Kwok Tong	Ir Gary KO Chi Wai Ir Mandy LEUNG Man Yee Ir Tony YEUNG Kwong Tung
Ex-officio Members	Ir Dr. Edward W.C. Lo (Council Member/Division)		
	Ir Joseph LEUNG Chi Ming (Discipline Representative)		
	Mr Patrick LEE Wood Wei (AMC representative)		
	Mr Jerry C W Chan (YMC Representative)		
Co-opted Members	Ir T K Chiang	Ir Steve CHAN Kar Keung	Ir Stanley LEUNG
In Attendance	Ir Ivan TSUI Wing Keung Ir Prof HO Siu Lau Ir C L WONG Ms Candy LEUNG Mr Alex FU	Ir HO Wing Ip Ir Tony LEE Ms Christine TSE Mr John CHEUNG	Ir Ken CHAN Ir YEUNG Yiu Hung Ir W.K. LEE Mr Jason CHAN

Committee Meeting

- Up to now, eleven (11) meetings were held.
- One more meeting would be held in June.



Electrical Division Committee Members

29th Annual Symposium

- **Organizing Committee was chaired by Ir Geoffrey CHAN**
- **Symposium :**
 - **Ir Dr. F. C. CHAN, President of the HKIE, delivered the Opening Address**
 - **Mr. Jilong PU, Member of National Nuclear and Radiation Safety Expert Committee made the Keynote Speech**
 - **Ir Edmund K. H. LEUNG, Chairman of Energy Advisory Committee presented the Closing Address**
- **Over 300 delegates participated**



30th Annual Symposium

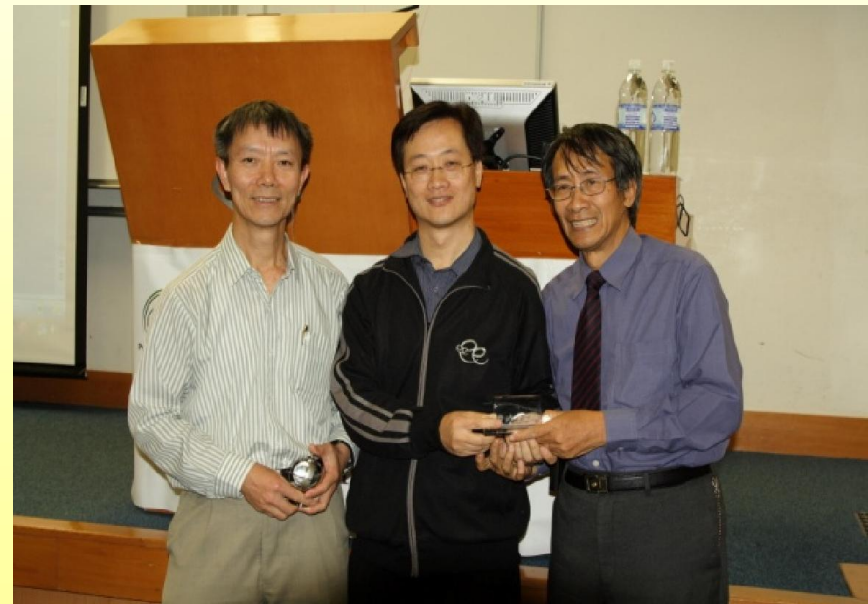
Date : 18 Oct 2012
Time : 09:00 – 17:00
Venue : Sheraton Hotel, Kowloon

Theme : Innovative Electrical Engineering for a Low Carbon City

Please support !!

Technical Programme and Publications Sub-committee (Chaired by Ir Dr Edward Lo)

- The Sub-committee has organized twelve (12) technical talks/seminars in this session.
- In average, there were 70 attendants for each event.



Technical Programme and Publications Sub-committee **(Chaired by Ir Dr Edward Lo)**

Date	Topic	Speakers
18.8.2011	Condition Monitoring and Assessment for Transformers	Prof. Qi Su
20.9.2011	Energy Saving and Monitoring	Mr. Norman G. Talaro
17.10.2011	After Fukushima – A rethinking on Nuclear Safety	Mr. Jilong Pu
19.10.2011	High Concentration Photovoltaic System	Mr. Gianni Borelli
14.10.2011	Impact of Traction Harmonics to Power System	Dr. C.T. Tse
28.11.2011	Future Directions of Display Technologies	Prof Hoi-Shing Kwok
6.1.2012	Smart Grid : Opportunities & Challenges for Power Industry to Manage their Grid more efficiently	Prof. Zahedi, Ahmad
11.4.2012	Buildings Energy Efficiency Ordinance and the Building Energy Code	Ir Dominic Lau and Ir David Li
8.5.2012	Wireless Electricity	Prof. Ron HUI
6.2012	CPD Course for Registered Electrical Workers	Speakers of EEAA
17-20.6.2012	15th International Conference on Harmonics and Quality of Power	
7.2012	Reducing voltage variations in power systems with HVDC	Dr Edward Lo

Local Technical Visit Sub-committee

(Chaired by Ir Tony Yeung)

- **Seven (7) technical visits were conducted this session, average number of participants was 30**
- **2 technical visits were conducted in Mainland China**

	Date	Place of Visit
1	19/07/2011	Hong Kong International Airport Electrical Distribution System
2	28/09/2011	CLPP Smart Grid Experience Centre and Energy Efficiency Exhibition Centre
3	29/10/2011	顺特电气设备有限公司 (Dry Type Transformer Factory)
4	26/11/2011	HEC Smart Power Centre and Power Quality Centre
5	17/12/2011	Pat Heung Depot
6	24/03/2012	CLPP System Control Centre
7	25/05/2012	DuPont Apollo Limited (Thin Film Solar Panel Factory) at Shenzhen

2010 Local Technical Visit



HKIA



CLPP Smart Grid Experience Centre

2011 Local Technical Visit



Sunten Electric at Shenzhen



Pat Heung Depot

Mainland Technical Visit Sub-committee (Chaired by Ir W.S. Tam)

- Date : 8 to 13 September 2010
- No. of Participants : 22
- Destination : Changchun and Harbin



Changchun Railway Vehicles Co. Ltd



Harbin Institute of Technology

Overseas Technical Visit 2011
(Chaired by Ir Edward Yeung)

- **Planned visit to Eastern Europe**
- **Time : July 2012**

Please join us!

The International Conference on Electrical Engineering (ICEE 2011)

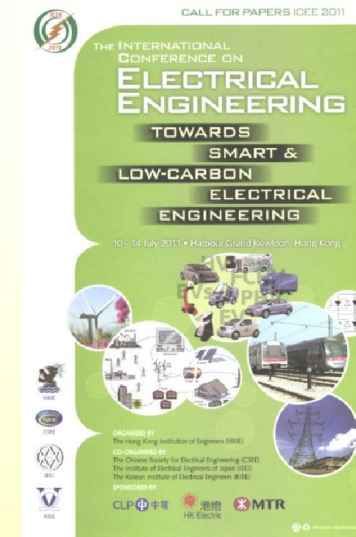
Date : 10-14 July 2011

Venue : Harbour Grand Kowloon

Theme : Towards Smart & Low-Carbon Electrical Engineering

Papers : 361 full papers accepted

Participants : 502 delegates from 13 regional areas



Membership Drive Subcommittee (Chaired by Ir P.K. Chan)

- Five membership drive presentations were made at HKU, HK PolyU, IVE (Tsing Yi) and IVE (Haking Wong) in this session
- Target audience – engineering students, especially the first year students to provide them with more information on electrical engineering



Other Functions / Activities

➤ Public Relations Sub-Committee

- Represented by Ir Albert W.K .To**
- Update members on matters of public relations**

➤ Community Services Committee

- Represented by Ir C.L. Leung**
- Provide prompt and constructive comments to consultation papers issued by the HKSAR Government and other statutory / professional bodies**
- Nominate members to serve on external Boards and Committees**

Other Functions / Activities

- **Continuing Professional Development (CPD)**
 - **Represented by Ir Prof. K.T. Chau**
 - **Continuously provide talks/visits to support the CPD requirements**
 - **Update Division members on matters related to CPD requirements**

- **Publication and Communication Sub-committee**
 - **Division website was regularly updated and enriched**
 - **Publication of Electrical Blog, total of 12 articles have been published in this session**
 - **Report of Division Activities and Announcement of Division Events in the “*Hong Kong Engineer*”**
 - **On-line enrolment for local technical visit via Division website**

Other Functions / Activities

➤ School Ambassador Programme

- Coordinated by Ir Mandy Leung**
- to promote engineering career to high school students**
- 12 members nominated as ambassador**
- 11 school talks to secondary school students delivered**

➤ Professional Short Course in Electrical Engineering

- Coordinated by Ir Gary Ko**
- Four courses organised:**
 - Green Building Design Philosophy and Statutory & Safety Requirement of Electrical Works**
 - Railway Signaling**
 - Design & Maintenance of Standby Battery System**
 - Electric Vehicle Propulsion Systems**

Energy Innovation Project Competition (Chaired by Ir HO Siu-kwong)

- Launch in 2009/10 (event sponsored by CLP Power)
- To encourage higher secondary school students to develop energy efficient initiatives
- First Award Presentation on 29 June 2011
- Technical visit to Singapore organised for champion team
- Applications for the 2011/12 session received and vetting in progress



Prize Presentation



Technical Visit to Singapore

Low Carbon Bazaar and Wind Turbine Design Competition (Chaired by Ir Tony Yeung)

- First year event (event sponsored by HK Electric)
- To promote awareness of energy saving and understanding on renewable energy for lower form secondary school students
- Participants to design wind turbine with highest energy output
- First contest on 21 Jan 2012 and final contest on 12 Feb 2012
- A field trip to actual wind farm in Yunnan for winners will be held in July 2012



First Contest



Final Contest

2012 Annual Dinner (Chaired by Ir. Albert W.K. TO)

Date : 25 May 2012 (Friday)

Venue : City Hall Maxim's Palace, Central



Please come and support.

HKIE Boards and Committees

- **Discipline Representative**
Ir Joseph C.M. Leung

- **Members in Council**
Ir Dr F.C. Chan (President)
Ir Joseph C. M. Leung (EOM)
Ir T.H. Tai (EOM)
Ir Gordon M.S. Woo (EOM)
Ir Dr. Edward W.C. Lo (Division)

- **Learned Society Board**
(represented by the Chairman, Ir Dr K.M. LEUNG)

HKIE Boards and Committees

- **Public Relations Committee**
(represented by the Deputy Chairman, Ir Albert W.K. To)
- **Community Service Committee**
(represented by the Hon Secretary, Ir C. L. Leung)
- **Continuing Professional Development Committee**
(represented by Committee Member, Ir Prof K. T. Chau)

Proposed Division Committee 2012/2013

Chairman

Ir Albert W.K. TO

Immediate
Past
Chairman

Ir Dr. K.M. LEUNG

Ordinary
Members

Ir Ho Sai King

Ir P.K. Chan

Ir Y.H. Chan

Ir Gary C.W. Ko

Ir Mandy M.Y. Leung

Ir S.S. Tang

Ir Ho Siu Kwong

Ir C.L. Leung

Ir W.S. Tam

Ir Albert W.K. To

Ir Gordon M.S. Woo

Ir Tony K.T. Yeung

Ir Y.K. Chu

Ir T. K. Chiang

Ir. Prof. K.T. Chau

Ir Steve Chan

Thank You