



# IEEE Hong Kong Section

## 2008 Annual Report

The Hong Kong Section of  
The Institute of Electrical and Electronics Engineers, Inc.  
**Hong Kong Section Office:**  
**c/o Industrial Centre, The Hong Kong Polytechnic University, Hung Hom,**  
**Kowloon, Hong Kong.**

## **PART A - SECTION SUMMARY**

### **A.1 Executive Summary**

Despite disasters happened around us in 2008, the IEEE Hong Kong Section remains healthy and we were actively engaged in organizing activities for IEEE members, students, the profession and the community. After the Sichuan earthquakes, our GOLD members joined hands with other young engineer groups to organize fund raising and relief activities. They have formed a coalition called “5.12 Young Engineers’ Alliance” with a domain name 512youngengineers.hk. For community services, GOLD has organized rice and gift pack delivery to the elderly.

We have extended our support to help organizing IEEE conferences in China. The International Conference on Anti-counterfeiting, Security and Identification (ASID2008) and the International Conference on Information and Automation (ICIA2008) were organized jointly with universities and new IEEE sections in China. In 2009, the ASID will be held in Hong Kong in August. In 2008, the Section, chapters and affiliated groups have organized or co-organized over 17 major Symposium/Workshop/Distinguished Lectures and over 70 seminars and technical visits. The technical activities are well received by our members.

Last year, a number of visitors have brought to us Distinguished Lectures and friendship. We have received delegates from TAB/MGA, Society presidents and Society AdCom representatives. With members’ active participation and involvement, the IEEE Hong Kong Section could be one of the focuses to foster relationship, develop professional network and nurture collaborations.

In awards, we feel delighted, joyful and encouraging when we learnt that the RACS Chapter was awarded with the “Best Chapter Award” by the IEEE Robotics and Automation Society and the EMC Chapter was awarded with the “Most Improved Chapter Award” by the IEEE Electromagnetic Compatibility Society. They deserve the honor. In Region 10 Student Paper Contest, our students have won prizes in both categories. Specifically, they have won the first and third prizes in the postgraduate category and the third prize in the undergraduate category. Moreover, in 2008 IEEE Fellow elevation, 8 Senior Members have been elevated to the grade of Fellow. This brings the total number of Fellows and Life Fellows resided in Hong Kong Section to 52. I would like to take this opportunity to congratulate their success. I believed that our members will proud of their achievements while feeling fortunate to have them working in Hong Kong.

Finally, I would like to thank all the members of the Executive Committee, volunteers and members for their support and hard work to make the 2008 a successful year for the Hong Kong Section. Your valuable contributions are meaningful and virtual for the development of IEEE, our profession and our community.

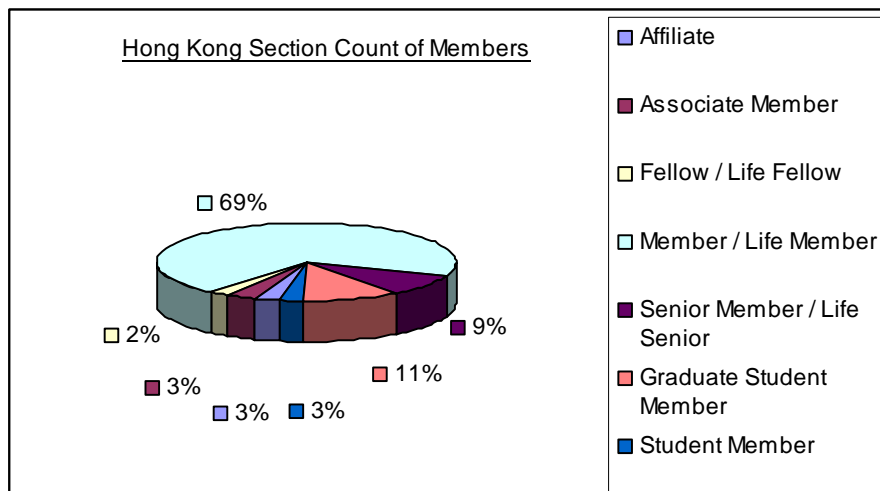
### **A.2 Financial Report**

The financial situation of the Section remains healthy. The balance in the bank is in the order of HK\$950,000. The amount is available as seeding money to support our activities.

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Programs

In membership development, we have delivered talks about IEEE to potential members such as graduate students. We encourage and provide assistance for member elevation to higher grades. We have organized activities for secondary students to broaden their views and interests in the area of EEE. A mentorship program had been organized by WIE to encourage young people to study engineering. The following Pie Chart provided an analysis on our membership composition.



### B.2 Professional and Continuing Education Activities

We have organized over 17 major technical activities including symposium, workshop, course and Distinguished Lecture as tabulated below. In addition, we have organized over 70 technical talks and visits. Major technical events are tabulated in the following table.

<b>Date</b>	<b>Technical Activities</b>
14 Jan-9 May	Seminar Series on Chaos, Control and Complex Networks
16 Jan	[IEEE SMC Society Presidential Address] The Current State of IEEE & SMC Society
7 March	[CE Distinguished Lecture] Home Digital Storage Hierarchy & Consumer Storage Demand
26 March	Short Courses on RF MEMS; Can they move themselves out of the laboratory
Apr to Oct	LEOS Postgraduate Student Seminar Series
2-4 May	IEEE 2008 Workshop on Robotics, Automation and Control System RACS'08
27 May	[LEOS Distinguished Lecture] Nanowires & Nanolasers: What Is The Ultimate Size Limit?
28 May	[IEEE Distinguished Lecture] Carbon-based Electrical Interconnect and Thermal Interface Materials
28-29 May	IEEE Data Mining Forum 2008
1-6 June	IEEE World Congress on Computational Intelligence
6 June	2008 Symposium on i-Management – challenges & Opportunities
20-23 June	IEEE International Conference on Information and Automation ICIA2008
21 June	Seminar on Safety of Human Exposure to RF Radiations: Fundamentals and Regulation
20-23 Aug	2008 International Conference on Anti-counterfeiting, Security and Identification ASID2008
17 Oct	One-Day IEEE PES Distinguished lecture on Power System Restoration Tutorial
8-10 Dec	IEEE International Conference on Electron Devices and Solid State Circuit EDSSC 2008
12 Dec	Workshop on Advances in Information Theory (WAIT)
13 Dec	One-Day IEEE IAS Region 10 workshop on Application of Motor Drives and Power Electronics to Transportation

### **B.3 Recognized Educational Programs**

Our Reference list of Education Program (REP) list has included all relevant Engineering Degree Program offered by the universities in Hong Kong. Graduates from listed programs are eligible to become members of IEEE.

### **B.4 Students Activities**

Student branches in HKU and CUHK are very active. In 2008 summer, they have organized visits to Peking University. In Region 10 Student Paper Contest 2008, our students scored the first and a third prize in the postgraduate category and the third prize in the undergraduate category. The following table tabulated technical activities organized for students.

<b>Date</b>	<b>Technical Activities for Students</b>
12 Jan	2006 Student Paper Contest Winner Presentation
30 Aug	The Fifth Final Year Project (FYP) Competition by CI Chapter
30 Aug	The Second Postgraduate Computational Intelligence Paper Contest
29 Nov	The Ninth IEEE Hong Kong LEOS Postgraduate Conference
20 Dec	2007 & 2008 Student Paper Contest Winner Presentation

In student sponsorship, the Hong Kong Section has given out prizes to local universities for student studying in IEEE disciplines so as to encourage them to pursuit academic excellence in their study. Based on an available fund for mainland scholars, the Hong Kong Section had sponsored two mainland students to attend the WCCI2008. The students have to join IEEE as student members before they can obtain the sponsorship.

The Hong Kong Section has co-sponsored the Inter-school Mobile Quiz Contest, an educational event from April to July and organized by The University of Hong Kong for the primary and secondary students.

## **B.5 Awards**

During the 2008 IEEE International Conference on Robotics and Automation held in Pasadena, CA, the Hong Kong RACS joint chapter was awarded “2008 Chapter of the Year”; the Best Chapter Award of the IEEE Robotics and Automation Society.

During the 2008 IEEE EMC Detroit Symposium, the Hong Kong EMC Chapter was awarded 2008 Most Improved Chapter Award by the IEEE Electromagnetic Compatibility Society

## **B.6 Chapter Activities**

The Hong Kong Section currently has 17 chapters, 2 affinity groups and 5 student branches. All chapters are active and in good shape. Petition form to request the formation of a new Magnetics Chapter had been received and endorsed by the Section. The document has been passed to MGA board pending for their approval.

## **B.7 E-mail and Newsletter Activities, Home Page**

Information for all chapters and joint chapters is available on web. Bank statements are posted regularly in the Hong Kong Section Intranet while contact information and activity information are available from the e-Newsletter and presented on Web. All officer bearers can be readily reached by email or telephone.

# **PART C - OTHERS**

## **C.1 Relationship with National Societies**

Our relationship with national societies is excellent. Frequently, we held joint activities and participate in social functions.

## **C.2 Special Events**

### **a) TAB-VISITS 2008**

A delegation from the Technical Activities and the Members & Geographic Activities Board (TA/MGA) has visited Hong Kong in May. The delegation had visited Hong Kong, Macau, Shenzhen, Bangkok and Vietnam. A reception had been organized to meet chapter volunteers in Hong Kong.

### **b) 5.12 Young Engineers' Alliance**

In response to the disastrous earthquake in Sichuan on 12 May 2008, student branches in HKU, CU together with GOLD and WIE joined with 15 groups including the young engineer groups of other engineering societies to participate in fund raising and relief activities. Their activities can be read from URL: <http://512youngengineers.hk/>.

### **c) University Based Electronics Project Study for Gifted Students (UETPS)**

We're being invited by the Education Bureau of the Hong Kong Government to continue the UETPS. We have invited the Electronics & Information Engineering Department (EIE) of The Hong Kong Polytechnic University to coordinate the projects and the Industrial Centre (IC) to provide project support. Professors, members from different universities are participated in the program by providing projects aiming to stimulate the interests of high IQ students to learn our profession.

## **C.3 Problems to be Anticipated**

Nil

## **PART D - GOALS AND PLANS**

In the coming year, we'll continue our effort to serve our members and work towards the vision and mission of IEEE. We're planning to organize activity to celebrate the 125<sup>th</sup> anniversary of the IEEE. We will continue to organize world class symposium and conference to foster technology growth and collaborations. We'll put more effort on our web site so to provide timely information to our member.