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**IEEE Seoul Section**

**Annual Report 2011**

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**PART A - SECTION SUMMARY**

**A.1 Executive Summary**

The IEEE Seoul Section had a very fruitful and successful year of 2011, which was highlighted by the following activities:

* The 2nd IEEE Seoul Section Workshop was held during February 11 to 12, 2011 at Ramada Plaza Jeju Hotel with 16 presentations on section activities (18 participants).
* The 3rd IEEE Seoul Section Workshop was held during August 25 to 26, 2011 at Hanwha Seolak Condo with 7 presentations on section activities (11 participants).
* IEEE Seoul Section Student Paper Contest was held on December 3 (Saturday) 1:00-4:00 PM at Hana Square Building, Korea University with 30 paper presentations.
* The section had 4 executive committee meetings (in Feb., May, August and Nov.) with professional seminars, and several special meetings.
* The 36th HMPC2010 Dinner Meeting was held on December 29st at Westin Chosun Hotel to promote members to higher grades. The event consists of award ceremony, special lectures and music entertainment along with dinner, followed by informal gatherings.
* IEEE Seoul Section sponsored several conferences and workshop:
* Conference Co-Sponsoring with the Center for Industry Security: 2nd ICISA 2011, April 27-29, Jeju
* Technical Co-Sponsoring with FTRA: GSDP 2011:  The 2011 International Conference on Green and Smart Disaster Prevention
* Conference Co-Sponsoring with FTRA: ICASE 2011: The 2011 IEEE/FTRA International Conference on Advanced Software Engineering
* Workshop with KICS: “Introduction to Smart IT Technologies,” June 21, 2011.
* Resigning the MOU with IEEK for 2012-2014
* Resigning the MOU with KIISE for 2012-2014
* IEEE/IEEK Joint Outstanding Young Engineer Award was given to Professor J. Jang of Hanyang University for his achievement in comminication areas.

**A.2 Financial Report**

The IEEE Seoul Section’s financial condition continues to remain sound as shown in the following tables. The balance at the beginning of the year 2011 was 16,439,421 won and the balance at the end of the year 2011 was 31,085,000 won. The Section’s 2010 financial report has been approved by the general assembly of IEEE Seoul Section in Dec. 2010.

1. **Income**

|  |  |
| --- | --- |
| Item | Amount (won) |
| Contribution | 3,409,400 |
| R10 Rebate | 15,467,078 |
| Interest | 21,278 |
| Total | 18,897,756 |

**2. Expenditure**

|  |  |
| --- | --- |
| Item | Actual |
| Meetings and Social Events | 22,569,792 |
| Student Activities | 900,000 |
| Professional Activities | 3,314,900 |
| Chapter Support | 200,000 |
| Other Management & General Expenses | 43,000  |
| Total | 27,027,692  |

**3. Total Net Worth**

|  |  |  |
| --- | --- | --- |
| Item | Amount |  |
| Balance beginning of the year 2011 | 24,569,357 | A |
| Total Income of the year 2011 | 18,897,756 | B |
| Total Expenditure of the year 2011 | 27,027,692 | C |
| Total Net Increases | (8,129,936) | B-C |
| Balance end of the year 2011 | 16,439,421 | A+B-C |

**PART B - ORGANIZATIONAL ACTIVITIES**

**B.1 Membership Development Programs**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Member | Honorary Member | Life Fellow | Fellow | Life Member | Life Senior | Senior Member | Associate | Affiliate | Student | Total |
| 2011 | 1645 | 1 | 4 | 20 | 6 | 4 | 196 | 199 | 136 | 767 | 2978 |

**B.2 Professional and Continuing Education Activities**

**B.2.1 Professional Seminars**

IEEE Seoul Section had 4 Executive Committee Meetings and HMPC Dinner Meeting with following professional seminars by the experts in electrical engineering.

* Smart Grid, Prof. G. Jang, Korea University
* THz Electronics, Prof. J. Lee, Korea University
* Application of Emerging Technologies to LSIS, H. Lee, Vice-President, LSIS.
* Unmanned airplane, Prof. S. Choi and G, Jeon, Korea National Defense University.

**B.3 Students Activities**

**B.3.1 Student Branches**

IEEE Seoul Section established 13 Student Branches in 2011. Each Student branch consists of more than 20 students. All of the activities of the Student branch are planned and executed independently by students. The following are our student branches.

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|   Aju University |
|   Catholic University of Korea |
|   Chung-Ang University |
|   Dankook University |
|   Ewha Women’s University |
|   Hanyang University |
|   Hongik University |
|   Korea Aerospace University |
|   Korea University |
|   Seoul National University |
|   Soongsil University |
|   University of Seoul |
|   Yonsei University |

**B.3.2 Student Paper Contest**

Student paper competition conference was held at Hana Square Building in Korea University on Dec. 3, 2011. Total 30 papers papers were presented in three sessions and competed for awards. The recipients of the 2011 Student Paper Contest Prizes were:

* Gold Best Paper Award to Haoru Su Korea University, to Soo-Jin Kim, Seoul National University, to Bumjoon Seo, Korea University
* Silver Best Paper Award to Rossi Kamal, Kyung Hee University, to Jisu Kim, Ajou University, to Myung-Jae Lee, Yonsei University

**B.4 Chapter Activities**

18 chapters are actively in operation as following:

|  |  |  |
| --- | --- | --- |
| **Chapter**  | **Full Name**  | **Chair**  |
| AES 10  | IEEE Aerospace and Electronic Systems Society  | Young Gil Kwag  |
| AP 03  | IEEE Antennas and Propagation Society  | Jae Hoon Choi  |
| BT 02  | IEEE Broadcast Technology Society  | Yong Han Kim  |
| C 16  | IEEE Computer Society  | Chang Sung Jeong  |
| CAS 04  | IEEE Circuits and Systems Society  | Myung Hoon Sunwoo  |
| CE 08  | IEEE Consumer Electronics Society  | Chang-Su Kim  |
| CI 11  | IEEE Computational Intelligence Society  | Kwang Hyung LEE  |
| COM19  | IEEE Communications Society  | Kwang Bok Lee  |
| CS 23  | IEEE Control Systems Society  | Poo Gyeon Park  |
| ED 15  | IEEE Electron Devices Society  | Jong-Ho Lee  |
| SSC 37  | IEEESolid-State Circuits Society  | Kwang Sub Yoon  |
| EMB 18  | IEEE Engineering in Medicine and Biology Society  | Young Ro Yoon  |
| EMC 27  | IEEE Electromagnetic Compatibility Society  | Ki Chai Kim  |
| GRS 29  | IEEE Geoscience & Remote Sensing Society  | Yi Sok Oh  |
| IT 12  | IEEE Information Theory Society  | Hong Yup Song  |
| LEO 36  | IEEE Lasers & Electro-Optics Society  | El Hang Lee  |
| MAG33  | IEEE Magnetics Society  | Young Keun Kim  |
| MTT 17  | IEEE Microwave Theory and Techniques Society  | Sangwook Nam  |
| PE 31  | IEEE Power Engineering Society  | Jae Chul Kim  |
| PEL 35  | IEEE Power Electronics Society  | Yoon Ho Kim  |
| RA 24  | IEEE Robotics & Automation Society  | Beom Hee Lee  |
| SMC 28  | IEEE Robotics & Automation Society  | Seong Whan Lee  |
| SP 01  | IEEE Signal Processing Society  | Myung Jin Bae  |
| VT 06  | IEEE Vehicular Technology Society  | Nak Meong Kim  |

**PART C - OTHERS**

**C.1 Relationship with National Societies**

The IEEE Seoul Section has a close relationship with Korean technical societies such as the Korean Institute of Communication Sciences (KICS), the Institute of Electronics Engineers of Korea (IEEK), the Korean Institute of Electrical Engineers (KIEE), and Korea Electromagnetic Engineering Society (KEES). Technical supports will be provided to these societies.

**C.2 Special Events**

The 36th HMPC2011 Dinner Meeting was held on December 29th at Westin Chosun Hotel to promote members to higher grades. The event consists of award ceremony, special lectures and music entertainment along with dinner, followed by informal gatherings HMPC was established 36 years ago for the purpose of providing attention to the electronic engineers who have been unnoticed and rendering wider publicity to their distinguished service to Korea. HMPC 2011 became an important meeting in the light of this purpose of HMPC. During the meeting, four new IEEE Fellows were recognized and four distinguished members were honored for their services for IEEE Seoul Section. Afterwards, two following professional talks were presented:

* “Acoustic communication techninologies in smart phone” by Prof. J. Jang (Hanyang University)
* “Hidden wonders of Korea” by H. Song (Korean Spirit and Culture Promotion Project)

**PART D - GOALS AND PLANS**

**D.1 Implementation Plans**

All section officers, chapter chairs, and student branch advisors will ask to join membership to the attendee of the conferences, workshops, and seminars. Chapter chairs will be encouraged to hold seminars and workshops. We will also support international conferences.

**D.2 Goals and future plans**

The IEEE Seoul Section has active plans for the year of 2012. Some of the goals are listed below.

* Encourage academic-industrial cooperation
* Promote Student branch activities.
* Encourage the membership development. Efforts to increase the counts of higher membership such as IEEE Fellow and Senior Member.
* Technical supports will be given to seminars held by Chapters. Seminars on special topics will be held inviting famous specialist in IT, BT and NT. International conference and workshop will be encouraged to be held in Seoul.
* The contents of website will be strengthened to link Chapters and Student Branches with the help of all executive members.
* The newsletter will be published to contain the articles about traditional cultures of Korea to introduce them to foreign countries as well as technical articles.
* Seoul Section will strive to collaborate with other sections in other sites.
* Collaborate more closely with other academic societies of Korea including IEEK, KICS, KISS, KSBE, KEES.