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**IEEE Seoul Section**

**Annual Report 2012**

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**PART A - SECTION SUMMARY**

**A.1 Executive Summary**

The IEEE Seoul Section had a very fruitful and successful year of 2012, which was highlighted by the following activities:

* IEEE Seoul Section Student Paper Contest was held on December 1, 2012 (Saturday) 1:00-4:00 PM at Yonsei University with 31 paper presentations.
* The section had four executive committee meetings (April, June, October and November) with professional seminars, and several special meetings.
* The general assembly of IEEE Seoul Section was held in Dec. 1, 2012 and approved the financial report.
* The 37th HMPC 2012 Dinner Meeting was held on December 28st 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 workshops:
* International Conference on Awareness Science and Technology (Korea University, 21~24 August 2012).
* The 9th International Conference on Ubiquitous Robots and Ambient Intelligence (Daejeon Convention Center, 26~28 November 2012).
* IEEE/IEEK Joint Outstanding Young Engineer Award was given to Professor W. Choi of Sogang University for his achievement in semiconductor 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 2012 was 16,439,421 won and the balance at the end of the year 2012 was 22,314,428 won. The Section’s 2012 financial report has been approved by the general assembly of IEEE Seoul Section in Dec. 1, 2012.

1. **Income**

|  |  |
| --- | --- |
| Item | Amount (won) |
| Contribution | 920,058 |
| R10 Rebate | 16,704,663 |
| Interest | 17,193 |
| Total | 17,641,914 |

**2. Expenditure**

|  |  |
| --- | --- |
| Item | Actual |
| Meetings and Social Events | 4,030,810 |
| Student Activities | 1,536,900 |
| Professional Activities | 5,023,250 |
| Chapter Support | 853,507 |
| Other Management & General Expenses | 322,440 |
| Total | 11,766,907 |

**3. Total Net Worth**

|  |  |  |
| --- | --- | --- |
| Item | Amount |  |
| Balance beginning of the year 2012 | 16,439,421 | A |
| Total Income of the year 2012 | 17,641,914 | B |
| Total Expenditure of the year 2012 | 11,766,907 | C |
| Total Net Increases | 5,875,007 | B-C |
| Balance end of the year 2012 | 22,314,428 | 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 |
| 2012 | 1492 | 1 | 4 | 23 | 5 | 4 | 205 | 157 | 1 | 1328 | 3220 |

**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 the following professional seminars by the experts in electrical engineering and related areas.

* Ultrafast and Ultrabroadband Terahertz Technology, Prof. H. Choi, Yon University
* Philosophical reasoning of logics, Prof. S. Ann, Korea University
* Financial management in IT societies, Prof. K. Cha, Korea University.

**B.3 Students Activities**

**B.3.1 Student Branches**

IEEE Seoul Section has established 13 Student Branches in 2012. 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. 1, 2012. Total 31 papers were presented in three sessions and competed for awards. The recipients of the 2012 Student Paper Contest Prizes were:

* Grand Best Paper Award to Myung-Jae Lee, Yonsei University
* Gold Best Paper Award to Edwin Monroy, Seoul National University, to Jinwook Choi, Yonsei University
* Silber Best Paper Award to Jung-In Koh, Sookmyung Women’s University, to Min Jang, Sungkyunkwan University, to Hee-do Kang, Yonsei University
* Organizing committee
  1. General Chair: Prof. Chulee Lee (Yonsei Univ.)
  2. Organizing Chair: Prof. Byung-Gook Park (Seoul National University)
  3. Technical Program Committee
     + - Co-Chairs: Prof. Euntai Kim (Yonsei University), Prof. Sung Roh Yoon (Seoul National University)
     + Members: Prof. Won Woo Ro (Yonsei University), Prof. Taewon Hwang (Yonsei University), Prof. Junghee Han (Korea Aerospace University), Prof. Yoonhee Kim (Sookmyung Women's University), Prof. Dae-Gwon Jeong (Korea Aerospace University), Prof. Gilsoo Jang (Korea university), Prof. Chungyong Lee (Yonsei Univerisity)

**B.4 Chapter Activities**

In IEEE Seoul Section, 24 chapters are actively in operation as follows:

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| --- | --- | --- |
| **Chapter** | **Full Name** | **Chair** |
| **AES 10** | Aerospace and Electronic Systems Society | Young Kil Kwag |
| **AP 03** | Antennas and Propagation Society | Chul Hee Lee |
| **BT 02** | Broadcast Technology Society | Byungwoo Jeon |
| **C 16** | Computer Society | Chang Sung Jeong |
| **CAS 04** | Circuits and Systems Society | Myung Hoon Sunwoo |
| **CE 08** | Consumer Electronics Society | Chang-Su Kim |
| **COM 19** | Communications Society | Kwang Bok Lee |
| **CS 23** | Control Systems Society | Poo Gyeon Park |
| **ED 15** | IEEE Electron Devices Society | Yang-Kyu Choi |
| **EMC 27** | Electromagnetic Compatibility Society | Joungho Kim |
| **GRS 29** | Geoscience & Remote Sensing Society | Joong-Sun Won |
| **IT 12** | Information Theory Society | Hong-Yeop Song |
| **MAG 33** | Magnetics Society | Young Keun Kim |
| **MTT 17** | Microwave Theory and Techniques Society | Chulhun Seo |
| **NANO 42** | Nano Technology Society | Jo-Won Lee |
| **NPS 05** | Nucear and Plasma Science Society | Hee-Joung Kim |
| **PE 31** | Power and Energy Society | June Ho Park |
| **PEL 35** | Power Electronics Society | Bo Hyung Cho |
| **PHO 36** | Photonics Society | Young-Wan Choi |
| **RA 24** | Robotics & Automation Society | Beom Hee Lee |
| **SMC 28** | Systems, Man, and Cybernetics Society | Seong Whan Lee |
| **SP 01** | Signal Processing Society | Myung Jin Bae |
| **SSC 37** | Solid-State Circuits Society | Shiho Kim |
| **VT 06** | Vehicular Technology Society | Cheon Won Choi |

**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 37th HMPC 2012 Dinner Meeting was held on December 28th 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 37 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 2012 became an important meeting in the light of this purpose of HMPC. During the meeting, two new IEEE Fellows were recognized and four distinguished members were honored for their services for IEEE Seoul Section. Afterwards, professional talks were presented.

**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 2013. Some of the goals are listed below.

* Encourage academic-industrial cooperation
* Promote membership from industry.
* 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.