



# IEEE Seoul Section

## Annual Report 2013



**Byung Gook Park, Chair**  
**Seoul National University**  
**Tel: + 82 2 8807270**  
**Email: [bgpark@snu.ac.kr](mailto:bgpark@snu.ac.kr)**

## **PART A - SECTION SUMMARY**

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

The IEEE Seoul Section had a fruitful and successful year of 2013, which was highlighted by the following activities:

- 2013 IEEE Seoul Section Workshop was held during August 23 ~ 24, 2013 at Seorak Park Hotel with 9 presentations on section activities (10 participants).
- IEEE Seoul Section Student Paper Contest was held on December 14, 2013 (Saturday) 13:00-16:00 at Yonsei University with 28 paper presentations.
- The section had four executive committee meetings (February, June, August and November) with professional seminars, and several special meetings.
- The general assembly of IEEE Seoul Section was held in Dec. 14, 2013 and approved the financial report.
- The 38<sup>th</sup> HMPC 2013 Dinner Meeting was held on December 27<sup>st</sup> 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.
- R10 EAC Support Fund 2013 Workshop
  - Joint Workshop with Korean Institute of Communication Sciences (Aug. 23, 2013)
- IEEE Seoul Section sponsored following conference:
  - DSP in Vehicles 2013 (Korea University, Sep. 29 ~ Oct. 2, 2013).
- Support of R10 Student Congress participants: 4 chairs of student branches participated 2013 R10 Student Congress held at Hyderabad, India.
- IEEE/IEEK Joint Outstanding Young Engineer Award was given to Professor S. Yoon of Seoul National University for his achievement in bioinformatics.

## 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 2013 was 22,314,428 won and the balance at the end of the year 2013 was 23,546,788 won. The Section's 2013 financial report has been approved by the general assembly of IEEE Seoul Section in Dec. 14, 2013.

### 1. Income

Item	Amount (won)
R10 Rebate	19,200,043
IEEE Support	198,880
Contribution	2,000,000
Interest	22,230
Total	21,421,153

### 2. Expenditure

Item	Actual
Meetings and Social Events	13,665,640
Student Activities	7,721,280
Chapter Support	2,293,570
Other Management & General Expenses	2,422,114
Total	26,102,604

### 3. Total Net Worth

Item	Amount	
Balance beginning of the year 2012	22,314,428	A
Total Income of the year 2012	21,421,153	B
Total Expenditure of the year 2012	26,102,604	C
Total Net Increases	-4,681,451	B-C
Balance end of the year 2012	17,632,977	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
2013	1598	1	6	24	5	4	239	110	0	826	2813

### 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.

- Tunneling field-effect transistors: the next generation devices, Prof. W. Choi, Sogang University
- Science and technology: today and tomorrow, Prof. Kyu Tae Park, Yonsei University

### B.3 Students Activities

#### B.3.1 Student Branches

IEEE Seoul Section has 13 student branches in 2013. 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:

- 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 the 2nd Engineering Building in Yonsei University on Dec. 14, 2013. Total 28 papers were presented and competed for awards. The recipients of the 2013 Student Paper Contest Prizes were:

- Grand Best Paper Award
  - Min Jang, Sungkyunkwan Univeristy
- Gold Best Paper Award
  - Yong-Jun An, Yonsei University
  - Jin-Sung Youn, Yonsei University
- Silver Best Paper Award
  - Hyukdoo Choi, Yonsei University
  - Younsun Ahn, Sungkyunkwan University
  - Myung Kuk Yoon, Yonsei University
- Organizing committee
  - A. General Chair: Prof. Chulhee Lee (Yonsei Univ.)
  - B. Technical Program Committee
    - ◆ Co-Chairs: Prof. Euntai Kim (Yonsei University), Prof. Sung Roh Yoon (Seoul National University), Prof. Won Woo Ro (Yonsei University)

## B.4 Chapter Activities

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

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

### **C.2 Special Events**

The 38<sup>th</sup> HMPC 2013 Dinner Meeting was held on December 27<sup>th</sup> 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 38 years ago for the purpose of providing attention to the electrical and electronics engineers who have been unnoticed and rendering wider publicity to their distinguished service to Korea. HMPC 2013 became an important meeting in the light of this purpose of HMPC. During the meeting, three new IEEE Fellows were recognized and 14 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 2014. 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 IEIE (IEEK), KICS, KISS, KSBE, KEES.