

# IEEE Harbin Section Report 2017

## PART A - SECTION SUMMARY

### A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List

Committee Member List
Dianguo Xu, Harbin Institute of Technology
Qun Wu, Harbin Institute of Technology
Fanyi Meng, Harbin Institute of Technology
Weixiao Meng, Harbin Institute of Technology
Kuang Zhang, Harbin Institute of Technology
Jianfeng Sun, Harbin Institute of Technology
Guanglu Sun, Harbin University of Science and Technology
Yun Lin, Harbin Engineering University
Yingsong Li, Harbin Engineering University
Zheng Dou, Harbin Engineering University
Minghui Sun, Jilin University
Wukun Insight, Harbin University of Science and Technology

- Section Highlights

- 1) Develop new IEEE members and chapters
- 2) Sponsorship for conferences
- 3) Provide technical support for IEEE Conference
- 4) Supervise the papers quality of IEEE conference
- 4) Provide paper submission system for free to IEEE conference
- 5) 2017 outstanding section membership recruitment and retention performance

- Major Events (International, National)

There are 4 international events have been sponsored or technical co-sponsored by Harbin Section.

Name of the event	Date of the Event
CPGPS 2017 Forum on Cooperative Positioning and Service	May19-21, 2017
2017 IEEE Region 10 Mini-POCO	July 14, 2017
2017 6th International Conference on Computer Science and Network Technology	October 21-22, 2017
2017 International Conference on Computer Systems, Electronics and Control	December 25-27, 2017

- Major Chapter Activities

Presentation speaker / Date of the Event	Speech Title
Felix Albu, Valahia University of Targoviste, Romania <i>June 10, 2017</i>	Advanced adaptive noise control algorithms for engineering applications
Wang Guiren, University of South Carolina <i>July 17, 2017</i>	Ultrafast Measurement of Transient Electroosmotic Flow in Microfluidics
Li Changzhi, Texas Tech University <i>August 8, 2017</i>	Short-Range Doppler-Radar Signatures from Industrial Wind Turbines: Theory, Simulations, and Measurements
Te-Kao Wu, California Institute of Technology <i>August 22, 2017</i>	Quasi-optical grids with thin rectangular patch/aperture elements
Lu Yilong, Nanyang Technological University <i>December 21, 2017</i>	A new approach for ground moving target indication in foliage environment
Ren Xiangshi, Kochi University of Technology <i>December 30, 2017</i>	Developing fMRI-Compatible Interaction Systems through Air Pressure
Zeng Qingshen, Communications	Research and Design Embedded Security Computer

Research Centre Canada <i>December 29, 2017</i>	Based on TMR for Train-Ground Communication System
TANG LoonChing, National University of Singapore <i>September 18, 2017</i>	Changing landscape: Some research directions for quality and reliability
Wang guoxiu, University of Technology Sydney <i>January 5, 2017</i>	The development of advanced Li-ion batteries, Li-S batteries, Li-air batteries and Na-ion batteries
Giovanni Zangari, University of Virginia <i>March 6, 2017</i>	Electrodeposition of Alloys: an Overview and Advances
Christopher Cornelius, University of Nebraska Lincoln <i>March 15, 2017</i>	Using Ionomers and Electrons to Desalinate Water
Guiren Wang, University of South Carolina <i>June 26, 2017</i>	Ultrafast Measurement of Transient Electroosmotic Flow in Microfluidics

- Major Student and Affinity Group Activities
  1. WIE afford technical support to 2017 **6th Communication signal processing and systems internation conference (CSPS)**
  2. Student branch meetings have been held with 2017 IEEE Region 10 Mini-POCO
- Awards
  1. 2017 outstanding section membership recruitment and retention performance award
  2. Harbin section won highest voting percentage amongst the 57 sections in Region 10
  3. Harbin AP/EMC/MTT chapter won an 2017 outstanding chapter award

## A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted L50)  
As submitted in the NetSuite System
- Any other financial activities

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Total number of active members in the past 3 years.  
876
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

### B.2 Chapter Activities

- Total number of Chapters in the Section  
6
- Number of Chapters formed in the current year  
0
- Number of active Chapters (Chapters who have reported required number of meetings during the year)  
6
- Summary of Chapter activities (Chapter wise with attachment table/information)
  1. Provide support to CPGPS 2017 Forum on Cooperative Positioning and Service
  2. Provide support to 2017 6th Communication Signal Processing and Systems International Conference (CSPS)
  3. Provide support to 2017 IEEE Region 10 Mini-POCO
  4. Provide support to 2017 6th International Conference on Computer Science and Network Technology
  5. Provide support to 2017 International Conference on Computer Systems, Electronics and Control

### **B.3 Professional and Continuing Education Activities**

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

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

- Total number of Student Branches in the Section  
1
- Number of Student Branches formed in the current year  
0
- Section level student activities (student congress, paper and other contests, awards etc)  
Student paper contest at CPGPS2017
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)  
1
- Summary of Student Branch activities (Student Branch wise with attachment table/information)  
Hosted student branch meeting and served as volunteer

### **B.5 Affinity Group Activities**

- Young Professional (YP)
- Women In Engineering (WIE)  
Provide support to 2017 6th Communication Signal Processing and Systems International Conference (CSPS)
- Life Member

### **B.6 Awards & Recognition Activities**

- Award constituted by the Section
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year 2015

## **PART C - OTHERS**

### **C3. Collaboration with other IEEE Sections**

IEEE Harbin Section has provided support to 2017 National Microwave Millimeter-wave Conference and IMS2017 | IEEE Microwave Week

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

### **D.2 Goals and Future Plans**

Our goal is to develop section members smoothly up to 1000 in the near future and serves our members better by more academic activities, including conferences, workshops, seminars, visit exchanges etc.