

# IEEE China Council Report

*\* Please use the following format to prepare and submit your Section's annual report to Region 10.*

*\* Please note that the annual reports are used to evaluate the outstanding Sections in the region and reports submitted after the announced due date will not be considered for the award. Please do not include more than 3 photographs and preferably put them on additional pages attached to the report (please delete this paragraph in your report).*

*\* Please try to limit your Section's annual report not more than 15 pages.*

## **PART A - SECTION SUMMARY**

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

- Section Executive Committee Member List
  - Chair: Yinghong Wen
  - Immediate Past Chair: Jinjun Feng
  - Executive vice chair: Mengqi Zhou
  - Vice chairs:
    - Qiuqi Ruan
    - Jianguo Huang
    - Qun Wu
    - Chao Wang
    - Jun Cai
  - Executive vice chair:
    - Qi Huang
    - Xiaohu You
    - Guilin Zheng
    - Xiaohong Guan
    - Yinfu Hu
  - Secretary and Treasurer: Gaoyun An
- Section Highlights
  - 2020.01.12: Interview with the representative of China Association for Science and Technology for exchange the idea how to run the academic organization in China.
  - 2020.09.10: Online meeting discussing the organizational structure of IEEE China Council, working object and election topics.
- Major Events (International, National)
  - 2020.04.24 Council chair Prof. Yinghong Wen participated in the first board meeting of IEEE Education Beijing Chapter on April 24, 2020. There were 13 attendees. She represented the China Council to congratulate and support the establishment of the IEEE Education Beijing Chapter.
  - 2020.09.19 Council chair Prof. Yinghong Wen participated in 2020 IEEE WIE Beijing leadership summit held at Rongkezixun Building, Haidian, Beijing. The other participants were Prof. Lishuang Feng, IEEE Beijing Section WIE Committee Chair, Prof. Ruomei Li, IEEE WIP Chair, Jessica Bian, Min Wu, Jing Yang, Ling Gao, Qiulin Pan and Ying Huang, etc.
- Major Chapter Activities
  - N/A, all the chapter activities are hosted by each sections.
- Major Student and Affinity Group Activities
  - The thesis achievement sharing meeting on Jan. 2020. 5 students back from overseas short-term internship share their experiences.
  - Volunteer work of electric research competition on Apr. 2020. Ten students participate in the volunteer work of national competition.
  - Summer internship of telecommunication graduate student from June to July 2020. 24 student have a short internship at enterprise.

- Awards
  - N/A

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

- Summary (as per submitted on NetSuite)
  - N/A, the IEEE China council has no membership rebate fees and thus no financial report is necessary
- Any other financial activities
  - N/A

## **PART B - ORGANIZATIONAL ACTIVITIES**

### **B.1 Membership Development Activities**

- Total number of active members in the past 3 years.
  - N/A, no liability for member development
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - N/A, no liability for member development

### **B.2 Chapter Activities**

- Total number of Chapters in the Section
  - N/A, chapter activities are applicable to each sections instead of China council.
- Number of Chapters formed in the current year
  - N/A, chapter activities are applicable to each sections instead of China council.
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
  - N/A, chapter activities are applicable to each sections instead of China council.
- Summary of Chapter activities (Chapter wise with attachment table/information)
  - N/A, chapter activities are applicable to each sections instead of China council.

### **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

#### **The 6th IEEE global electromagnetic compatibility conference (October 20-23, 2020)**

Link: <http://event.icrp.xjtu.edu.cn/104920802/index?pageId=104920859>

The 6th IEEE global electromagnetic compatibility conference was organized by Xi'an Jiaotong University, co-organized by Beijing Jiaotong University in Xi'an, China on October 20-23, 2020.

Considering the situation of COVID-19 pandemic, GEMCCON 2020 was held in hybrid mode. Attendees have two choices to participate the conference: 1) on-site or 2) on-line through video-meeting software. Outstanding Young Scientist Award, Best Student Paper Award and Best Paper Award was presented at the conference banquet. The special issue (Vol 2, Issue 4) of IEEE Letters on Electromagnetic Compatibility Practice and Applications (L-EMCPA) had been reserved for GEMCCON 2020.

The submitted paper topics are divided into technical committees and special committees. In the former committee, professors, researchers and students from global area give in-depth speeches about EMC Management, EMC Measurements, electromagnetic environment, electromagnetic interference, high power electromagnetics, spectrum engineering, low frequency EMC, computational electromagnetics, signal and power integrity, EMC for wireless technologies, and nanotechnology and materials. In the latter committee, the submitted papers discussed smart grid EMC, power electronics EMC, unmanned aircraft systems EMC, aeronautics and space EMC, ship EMC, electromagnetic protection materials and technology, electromagnetic time reverse technique,

electromagnetic security for critical infrastructure, geostorm and its impact on power grid, and bio-electromagnetics. This seminar has achieved a great success and brought a lot of novel ideas on EMC technique.

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

- Total number of Student Branches in the Section
  - N/A, student branches are also included in each section.
- Number of Student Branches formed in the current year
  - N/A, student branches are also included in each section.
- Section level student activities (student congress, paper and other contests, awards etc)
  - N/A, student branches are also included in each section.
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
  - N/A, student branches are also included in each section.
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
  - The thesis achievement sharing meeting on Jan. 2020. 5 students back from overseas short-term internship share their experiences.
  - Volunteer work of electric research competition on Apr. 2020. Ten students participate in the volunteer work of national competition.
  - Summer internship of telecommunication graduate student from June to July 2020. 24 student have a short internship at enterprise.

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

- Young Professional (YP)
  - N/A
- Women In Engineering (WIE)
  - As an IEEE China Council Chair, Prof. Yinghong Wen participated in 2020 IEEE WIE Beijing leadership summit held at Rongkezixun Building, Hai Dian, Beijing. The other participants were Prof. Lishuang Feng, IEEE Beijing Section WIE Committee Chair, Prof. Ruomei Li, IEEE WIP Chair, Jessica Bian, Min Wu, Jing Yang, Ling Gao, Qiulin Pan and Ying Huang, etc. In the summit, Prof. Yinghong Wen gave a welcome address. The summit extensively discussed research and innovation challenge during covid-19, leadership development for WIE/She-power sharing, WIE/She-power improvement after covid-19, and global multi-cultural exchange.
- Life Member (LM)
  - N/A

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

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

#### **B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)**

- Newsletter (name and number of issues in the year)
  - N/A
- Home Page of the Section (give the URL and how often it is updated)
  - [http://www.ieee-beijing.org/page\\_en.asp?id=219](http://www.ieee-beijing.org/page_en.asp?id=219)
- Other means of contacts with Section members including social media
  - E-mail / Tencent Meeting

#### **B.8 Industry Relations**

- Membership growth and retention
  - N/A
- Activities for/with industrial members
  - Visit to the China Railway Signal and Communication group (CRSC), members of the IEEE China council visited CRSC for information exchange between student research request, collaborative research possibilities and university company relations.

## **B.9 Humanitarian Technology Activities**

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
  - N/A
- SIGHT Activities
  - N/A

## **B.10 Community Activities**

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
  - N/A

## **PART C - OTHERS**

### **C.1 Special Events**

- Please briefly describe the importance of special events and the outcomes achieved
  - N/A
- Funding secured from the IEEE and external sources including sponsorships
  - N/A

### **C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)**

- Nature of relationship and details of any formal agreement signed
  - N/A
- Details of joint activities
  - Joint workshop with IRSE (Institute of Railway Signalling Engineers) for joint workshop between Aalto University and Beijing Jiaotong University
- Benefit to IEEE members (for example discounts, access to technical information etc.)
  - With the IRSE web portal, the access to periodically published newsletters, journal can be access on relevant topics.
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
  - The connection between IEEE for technical development research and applications can be bridged with IRSE for railway signalling industry requirements.

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

- Support extended to neighboring Sections
  - N/A, no liability as the IEEE China council
- Joint activities with any other Section
  - N/A, no liability as the IEEE China council

#### **C.4 Support extended to Sub-sections & Society Chapters within the Section**

- Support extended for organising technical, educational and professional activities
  - China Council has no subsection, Student and Affinity Group, but support and participate in the following chapters and branches:
    - IEEE Education Beijing Chapter;
    - IEEE WIE Beijing Affinity Group;
    - IEEE Student Branch of China.
- Joint activities for membership development
  - N/A
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section
  - N/A

#### **C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)**

- N/A

#### **C.6 Problems anticipated and suggestions for solutions, if any**

- N/A

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

#### **D.1 Continuation of project/activity in progress and their implementation plans**

- IEEE China council will continue support IEEE WIE Beijing Affinity group activities. All the relevant activities to promote the IEEE leading role in academy and industry will still be the primary goal for the council mission.
- Annual general meeting, main administrative meeting, China Association for Science and Technology are held periodically to keep the sustainability of the council. Main ongoing events and plans are discussed internally and in certain cases jointly with other associations and organizations.

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

- IEEE China Council will continue hold annual meetings internally and externally with relevant institutes and organizations (IRSE etc.)
- Workshops as WIE Beijing Affinity annually
- Workshops for student branches to provide a platform of information exchange for students in China

#### **D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.**

- With the pandemic situation, more convenient ways to communicate are possible. More activities and online exchange can be arranged to promote IEEE and involving more possible members for students and more.

#### **D.4 Business Plan for Sustainable Growth and Financial Stability.**

- N/A