Region 10 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 <u>do not</u> 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
  - Executive vice chair: Mengqi Zhou
  - Vice chairs:
    - Qiuqi Ruan
    - Jianguo Huang
    - Qun Wu
    - Chao Wang
  - Secretary and Treasurer: Gaoyun An
  - Vice Secretary: Wei Jiang
  - Executive vice chair:
    - Qi Huang
    - Xiaohu You
    - Guilin Zheng
    - Xiaohong Guan
    - Yinfu Hu
  - Executive Committee Members
    - Yinghong Wen
    - Mengqi Zhou
    - Qiuqi Ruan
    - Jianguo Huang
    - Qun Wu
    - Wenjun Zhang
    - Chao Wang
    - Guilin Zheng
    - Jinjun Feng
    - Guohui Yang
    - Tao Zhang
    - Chuan Zhang
    - Wenzheng Li
    - Gaoyun An
    - Debiao Lu
    - Wei Jiang
    - Weining Wang
- Section Highlights
  - **2023 Global Energy Interconnection Conference**
    Representatives of nearly 300 organizations from more than 40 countries attended the 2023 Global Energy Interconnection Conference from 25-27 September in Beijing, China to address important topics such as clean development, power interconnection, technological innovation, and policy coordination. IEEE China Council dedicated to promote new technologies for

sustainable energy, co-sponsored the event. Prof. Yinghong Wen, chair of the IEEE China Council addressed at the opening ceremony of the conference.

o **35th China Simulation Conference**
Prof. Li Wenzheng, chair of Industry Liaisons & Innovation Committee, IEEE China Council, delivered a keynote speech at the 35th China Simulation Conference. The topic of the speech is "The Connotation, Technical Characteristics, and Challenges of Computing Power Networks in the Context of Metaverse, WEB3.0, and AIGC". IEEE China Council recently set up the Artificial Intelligence Committee to promote the phenomenal AI applications triggered a paradigm revolution in both research and industry.
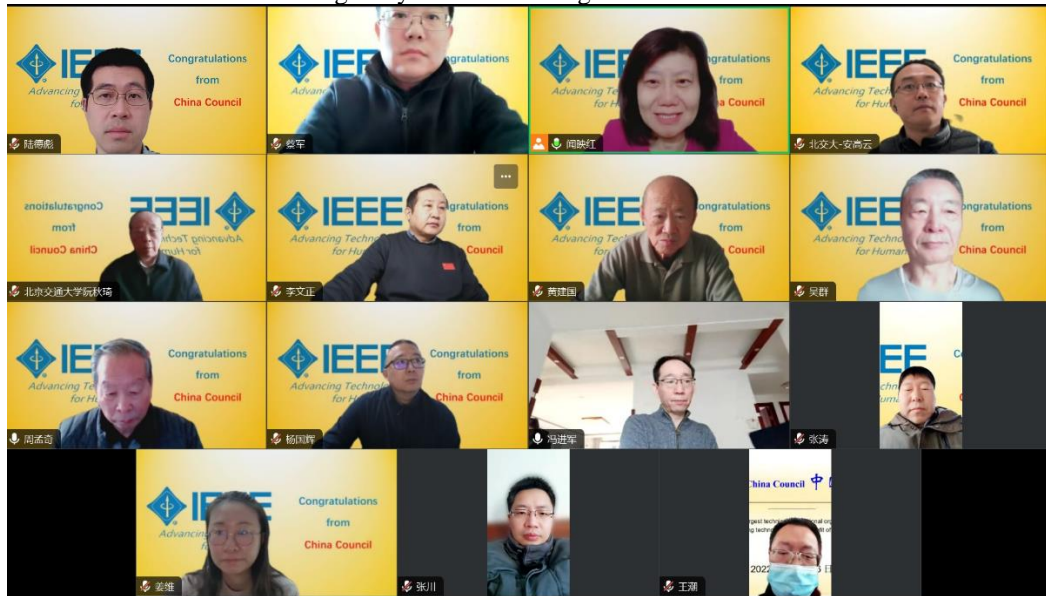

o **IEEE Women in Engineering China Leadership Summit (IEEE WIE CLS 2023)**
On 21st October 2023, the 5th IEEE WIE CLS was held in Shanghai, outstanding women gathered to discuss the improvement of female leadership and future development. The summit had 7 keynote speeches and 6 roundtable discussions, with more than 300 on-site guests and participants including engineers, researchers, innovators and industry leaders. Chair of IEEE WIE Prof. Celia Shahnaz, Chair of IEEE PES Prof. Jessica Bian, Chair of IEEE China Council Prof. Wen Yinghong, and Senior Business Director of IEEE Asia-Pacific Region Mr. Hua Ning

addressed the forum, respectively. The summit promoted and encouraged female engineers and scientists in China to pursue careers in scientific research and engineering.

- Major Events (International, National)
  - o Besides the 3 highlights, IEEE China Council has sponsored several conferences in China. And the IEEE China Council has regularly ExCom meetings.

- Major Chapter Activities
  - o N/A, all the chapter activities are hosted by the corresponding sections.
- Major Student and Affinity Group Activities
  - o University enterprise line-HollySys
    To enhance students' understanding of excellent enterprises, strengthen school-enterprise cooperation, and help students understand the industry development dynamics, employment situation, and feel the excellent corporate culture and working atmosphere of industry leading institutions, IEEE Beijing Jiaotong University Student Branch carries out this "University Enterprise Tour" activity.
  - o University enterprise line -AI Road
  - o This activity has organized students to visit Tencent, Kuaishou, Tucson Future, millet, ByteDance, Jiji Future Park, Meituan, Baidu, Jingdong, Huawei and other ten AI industry manufacturers, invited a number of HR and technical experts, to help students broaden their

horizons, understand the development of the industry, but also enhance the contact between enterprises and outstanding talents in universities. Better understand each other's needs.

- o The 5th "AI Future" Beijing University Artificial Intelligence Academic Forum
- o The 5th "AI Future" Beijing University Artificial Intelligence Academic Forum is a grand event for the cutting-edge exchange and sharing in the field of artificial intelligence among universities and research institutes in Beijing. It aims to invite academic celebrities, young students and representatives of well-known enterprises in the field of artificial intelligence from well-known universities and research institutes in Beijing. Academic exchanges will be conducted around the basic research, theoretical innovation and industrial application of artificial intelligence and complex system control.
- o The 18th Graduate Electronic Design Competition
  This activity invites professional teachers to interpret the entry instructions of this year's graduate electronic design competition, introduce the key information of the competition such as the characteristics, industry recognition, proposition form and competition direction, competition level and the gold content of awards, and give suggestions on the topic selection and preparation of the technical competition based on the situation of this year.
- o IEEE Beijing Jiaotong University Student Branch member meeting
  By holding this meeting, the purpose is to help the new members of the community to understand each other faster, more united, with a more full attitude into the work of the IEEE Student branch, mutual help, common progress, and make unremitting efforts for the IEEE Student Branch better tomorrow.
- o Graduate thesis writing experience sharing session
  This lecture invited student representatives with outstanding academic performance and outstanding research work in paper publication to share their experience from two aspects of paper writing and scientific research innovation, and answer questions for students.
- o "Seniors and seniors zero distance" afternoon tea series activities
  In order to help you understand the development prospects and career status of the industry as early as possible, and make career planning and employment preparations in advance, the College will carry out the "Senior and Senior Sisters zero distance" alumni afternoon tea series job sharing activities. Each event will invite senior students who have graduated in the last 2-3 years to share and exchange activities. The content of the activity mainly includes two parts: sharing their personal job hunting experience, career choice, work content and experience, and helping their younger students answer questions and solve doubts.
- o "Know the faith and practice honesty" academic integrity knowledge competition
  As an important part of the "Graduate Academic Ethics and Style of Study Construction Month", this knowledge competition aims to improve graduate students' knowledge and understanding of academic integrity, enhance their awareness of academic integrity, create a good academic atmosphere, promote academic exchanges and cooperation, improve graduate students' ability to distinguish and prevent academic misconduct, and maintain academic justice and fairness. Stimulate graduate students to pay attention to and think about academic integrity, and promote the construction of academic integrity.
- o University enterprise line-ESWIN
  In order to enhance students' understanding of excellent enterprises, strengthen school-enterprise cooperation, and help students understand the industry development dynamics, employment situation, and feel the excellent corporate culture and working atmosphere of industry leading institutions, IEEE Beijing Jiaotong University Student Branch carries out this "University Enterprise Tour" activity.
- o Experience sharing of electronic Design Competition for graduate students & Mobilization Meeting of the 19th Electronic Research Competition
  There are different ways between the graduate discipline competition and the undergraduate professional competition. Although many students are interested in participating in the competition, they are confused about the process of the competition, and it is difficult to start. By organizing this activity, based on the entry instructions of this year's research competition (Technical competition), we specially provide detailed interpretation and guidance for the participants.
- o Public graduate student study abroad experience sharing and exchange forum
  In order to promote the internationalization of talent training, expand students' international vision, enhance students' international competitiveness, and give more telecommunication students the opportunity to "go global", the School of Telecommunication organized this international exchange program and experience sharing activity for graduate students, inviting

the teachers in charge of international exchange and overseas exchange program of our school to share their experience with students who have overseas exchange experience.

- 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 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
- IEEE China Council Student Branch has held many activities in 2023, are described in the Major Student and Affinity Group Activities part.
- The China Council has been actively involved in the conferences held in China and the audit of the conferences.

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 activities are described in Major Student and Affinity Group Activities part.

B.5 Affinity Group Activities

- Young Professional (YP)
  - N/A
- Women In Engineering (WIE)
  - On 21st October 2023, the 5th IEEE WIE CLS was held in Shanghai, outstanding women gathered to discuss the improvement of female leadership and future development. The summit had 7 keynote speeches and 6 roundtable discussions, with more than 300 on-site guests and participants including engineers, researchers, innovators and industry leaders. Chair of IEEE WIE Prof. Celia Shahnaz, Chair of IEEE PES Prof. Jessica Bian, Chair of IEEE China Council Prof. Wen Yinghong, and Senior Business Director of IEEE Asia-Pacific Region Mr. Hua Ning addressed the forum, respectively. The summit promoted and encouraged female engineers and scientists in China to pursue careers in scientific research and engineering.
- 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
- Other means of contacts with Section members including social media
  - E-mail/ Tencent Meeting/ Wechat Group

B.8 Industry Relations

- Membership growth and retention
  - N/A
- Activities for/with industrial members

  - Very active with the industry partners, especially the railway industry because of the connection between the railway research lab and the industry partners.

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

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 the railway industry development between the China side and the British side.
- 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)

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

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 paramedic 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