

Region 10 Section Report Format

(Please replace above heading with your Section name)

Please use the following format to submit your Section's annual report to Region 10. Please note that the annual reports are used for selecting 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).

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

Position Description	First Name	Last Name
Chair	Xiao-Hu	Yu
Educational Activities	Wu	Zhenyang
Fellows	Da	Fang
Membership Development	ZHENG	BAOYU
Professional Activities	Wei	Hong
Secretary	Zhiwen	Pan
Treasurer	Wenjin	Wang
Vice Chair	Xiqi	Gao
	Zhi-Hua	Zhou

- Section Highlights
- Major Events (International, National)
 - ✓ IEEE WCSP 2017. 2017.10, Nanjing
- Major Chapter Activities
 - ✓ Advanced techniques for feature extraction and data analysis in hyperspectral imaging, CH10507 - Nanjing Section Chapter, GRS29, 21 Jul 2017
 - ✓ Current Research and Development of Wireless Power Transfer via Radio Waves and the Application, CH10193 - Nanjing Section Jt Chapter, AP03/MTT17/EMC27, 31 July 2017
 - ✓ Share Tweet Efficiency Calculator of Wireless Power Transfer System (E-WPT), CH10193 - Nanjing Section Jt Chapter, AP03/MTT17/EMC27, 31 July 2017
 - ✓ Symposium on Evolutionary Computation, CH10568 - Nanjing Section Chapter, CIS11, 25 October 2017
 - ✓ Workshop on evolutionary algorithms for complex problems, CH10568 - Nanjing Section Chapter, CIS11, 08 November 2017
 - ✓ Chapter annual meeting, CH10507 - Nanjing Section Chapter, GRS29, 05 November 2017
 - ✓ RF/mmW/ Terahertz integrated circuit and system, CH10193 - Nanjing Section Jt Chapter, AP03/MTT17/EMC27, 19 December 2017
 - ✓ Many names, many advantages – Are resonant cavity antennas the killer planar space-saving approach to get 15-25 dBi gain? CH10193 - Nanjing Section Jt Chapter, AP03/MTT17/EMC27, 23 August 2017
- Major Student and Affinity Group Activities
 - ✓ High Reliability Monitoring and Control Technology of Electrical Equipment Based on Industrial IoT, SBC32031B - Southeast University, IA34, 30 November 2017
 - ✓ Multiphase machines - potential applications in future electric vehicles, SBC32031B - Southeast University, IA34, 06 November 2017
 - ✓ Smart Cities for Promoting the Global Sustainability, SBC32031B, 11 August 2017
 - ✓ The way to write high-quality scientific papers and published in IEEE, SBC32031B - Southeast University, IA34, 20 December 2017
 - ✓ Development Trends of Permanent Magnet Machines and Drives, SBC32031B, 02 August 2017
 - ✓ Multi-regional interconnected power grid plan - distributed optimization algorithm and interregional market mechanism, SBC32031B - Southeast University, IA34, 12 October 2017
 - ✓ The Activation of Passive Components in Power Electronics: A Two-Terminal Active Capacitor, SBC32031B - Southeast University, IA34, 30 October 2017

- ✓ Linear induction motor system for rail transit, SBC32031B - Southeast University, IA34, 30 November 2017

- Awards

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

- Summary (as per submitted L50)
ACCOUNT SUMMARY
Opening Balance: 61,928.77
Interest Paid 328.31
IEEE CB Card (6,331.22)
IEEE Transfers 13,449.30
Closing Balance: 69,375.16
- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
 - ✓ Total number of active members in 2015 is 2491
 - ✓ Total number of active members in 2016 is 2676
 - ✓ Total number of active members in 2017 is 3022
- 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
There are 13 chapters in the section.
- Number of Chapters formed in the current year
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
There are 13 active chapters in the section.
- Summary of Chapter activities (Chapter wise with attachment table/information)

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
There are 8 Student Branches in the section.
- Number of Student Branches formed in the current year
- Section level student activities (student congress, paper and other contests, awards etc)
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
There are 8 active Student Branches in the section.
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

B.5 Affinity Group Activities

- Young Professional (YP)
- Women In Engineering (WIE)
- 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

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

- Newsletter (name and number of issues in the year)
- Home Page of the Section (give the URL and how often it is updated)
- Other means of contacts with Section members including social media

B.8 Industry Relations

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

B.9 Humanitarian Technology Activities

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

B.10 Community Activities

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

PART C - OTHERS

C.1 Special Events

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

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

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

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

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

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

PART D - GOALS AND PLANS

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

D.2 Goals and Future Plans

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

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