

Region 10 Guangzhou Section 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

Position	Last Name	First Name	Member No.
Chair	Liu	Derong	1535400
Vice Chair	Zhang	Xiuyin	90747709
Vice Chair	Chen	Weineng	80729331
Secretary, Treasurer	Hu	Xiaomin	80465144
Professional Activities	Gao	Ying	95116933
Membership Development	Zhan	Zhihui	90581021
Coordinator	Yu	Weijie	92461107
Student Activities	Ying	Lin	90351741

- Section Highlights

In 2021, five technical meetings were held by Guangzhou Section, covering the fields of artificial intelligence, cybersecurity, deep learning, online education, and robotics. The series of lectures attracted more than 100 members and targeted audiences.

- Major Events (International, National)

21 Nov 2021 -- 2021 Strategic Planning Meeting of the IEEE Guangzhou Section
30 Sep 2021 -- How to Perform Clustering in the Data Imbalanced Environment?

- Major Chapter Activities

Three new chapters were formed this year.
Guangzhou Section Chapter, BIO46
Guangzhou Section Chapter, CIS11-Shenzhen
Guangzhou Section Chapter, PEL35

- Major Student and Affinity Group Activities

The student branches in Guangdong took part in various activities such as competitions and lectures.
Shenzhen Technology University, 23 Sep 2021 -- Contest of Standardization , Lecture of IEEE, and Recruitment of SZTU IEEE Student Branch.

Guangzhou Section Affinity Group, WIE, 26 Mar 2021 The fifth forum of Graphic Association in China.

- Awards

None.

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

- Summary (as per submitted on NetSuite)

As in the financial report.

- Any other financial activities

None.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

By the time 24/02/2020, there were 1431 members.

By the year 19/02/2021, there were 2918 members.

By the year 28/02/2022, there were 4045 members. The member number has increased 39%.

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

Several high quality meetings and lectures were supported by the Section and they provided a platform for section members to communicate with each other.

B.2 Chapter Activities

- Total number of Chapters in the Section

There are 24 chapters.

- Number of Chapters formed in the current year

Three new chapters were formed this year.

Guangzhou Section Chapter, BIO46

Guangzhou Section Chapter, CIS11-Shenzhen

Guangzhou Section Chapter, PEL35

- Number of active Chapters (Chapters who have reported required number of meetings during the year)

18 chapters have reported required number of meetings during the year.

- Summary of Chapter activities (Chapter wise with attachment table/information)

Chapter	#No.	Highlights
Guangzhou Section Chapter, BIO46	1	Winter School on Biometrics 2022
Guangzhou Section Chapter, CIS11-Shenzhen	2	Summer Camp in Computational Intelligence
Guangzhou Section	3	Invited talk: Novosense digital isolation products to Improve power

Chapter, PEL35		supply system performance
Guangzhou Section Chapter, IT12	3	Seminar by Prof. Li CHEN
Guangzhou Section Jt. Chapter, EMC27/AP03	2	EMC Antenna Calibration and EMC Chamber Site Validation Experts Answer Questions to Resolve your Problems in EMC Measurements – Now and in the Future
Guangzhou Section Chapter, CAS04 Shenzhen	2	IEEE CASS Shanghai and Shenzhen Chapters Joint Workshop
Guangzhou Section Chapter, AP03/MTT17	5	Seminar by Prof. Zhizhang Chen
Guangzhou Section Chapter, ED15/SSC37 Shenzhen	5	Modeling and Simulation of Negative Capacitance Transistors
Guangzhou Section Chapter, CIS11	2	IEEE CIS Guangzhou Chapter first meeting of 2021
Guangzhou Section Chapter, ED15	3	High Performance and High Reliability Device Design MO of IEEE EDS Guangzhou Chapter
Guangzhou Section Chapter, GRS29	6	Comparison of response characteristics and ecological effects of SST in the South China Sea under the influence of 1997/98 and 2015/16 Super El Nino events
Guangzhou Section Chapter, SSC37	2	SSCS Guangzhou microelectronics seminar in Zhuhai
Guangzhou Section Chapter, NANO42 Guangdong	5	3d integrated imaging technology and its application
Guangzhou Section Chapter, PHO36 Guangdong	21	Road of design in technology-dominated world: Aesthetics in design science research
Guangzhou Section Jt. Chapter, SP01/COM19-Shenzhen	3	Invited seminars on Signal Processing for Remote Sensing
Guangzhou Section Chapter, PE31	2	New Technology Conference of China Southern Power Grid Corporation in 2021 (The Fourth Phase) The Advanced Technology Conference of Digital Substation of Southern Power Grid IEEE PES China Chapter "Power & Energy Cloud Forum" -- Key Technologies and Equipment for Offshore Wind Power
Guangzhou Section Chapter, CT08 Shenzhen	2	Smart Devices Forum
Guangzhou Section Chapter, CAS04	3	President Tu Peizi: how to change the world with smart people

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

None.

B.4 Students Activities

- Total number of Student Branches in the Section

There were 10 student branches.

No.	Student Brach
1	Guangdong University of Technology,IE13
2	Guangdong University of Technology,PE31
3	Guangdong University of Technology,SMC28
4	Shenzhen Institutes of Advanced Technology,UFFC20
5	South China University of Technology,IM09
6	Guangdong University of Technology
7	Shenzhen Institutes of Advanced Technology
8	Shenzhen University
9	South China University Of Technology
10	Sun Yat-Sen University-Guangzhou

- Number of Student Branches formed in the current year

None.

- Section level student activities (student congress, paper and other contests, awards etc)

None.

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)

One active SB.

- Summary of Student Branch activities (Student Branch wise with attachment table/information)

23 Sep 2021 Contest of Standardization , Lecture of IEEE, and Recruitment of SZTU IEEE Student Branch.

B.5 Affinity Group Activities

- Young Professional (YP)

None.

- Women In Engineering (WIE)

23 Sep 2021 The fifth forum of Graphic Association in China.

- Life Member (LM)

None.

B.6 Awards & Recognition Activities

- Award constituted by the Section

None.

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

None.

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

- Newsletter (name and number of issues in the year)

IEEE China.

- Home Page of the Section (give the URL and how often it is updated)

Under construction.

- Other means of contacts with Section members including social media

http://cn.ieee.org/china_section.html

B.8 Industry Relations

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

Not available.

B.9 Humanitarian Technology Activities

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

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

- Newsletter (name and number of issues in the year)

IEEE China.

- Home Page of the Section (give the URL and how often it is updated)

Under construction.

- Other means of contacts with Section members including social media

http://cn.ieee.org/china_section.html

B.8 Industry Relations

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

Not available.

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

None.

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.)

None.

C.3 Collaboration with other IEEE Sections

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

None.

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

Not available.

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

Not available.

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

None.

PART D - GOALS AND PLANS

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

For enhancing member benefits & making IEEE a preferred professional platform in Guangdong, an annual technology frontier forum will be held. The participants are all the IEEE members in Guangdong Section. The forum will have keynotes and the opportunity for the members to meet and communicate together. Building the connections of research, academia and industry is our target.

D.2 Goals and Future Plans

Forum of Year 2021 – Guangdong University of Technology + local companies

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

Routine publicity of local news of IEEE such as conferences, students competitions, Winter/Summer Schools will be pushed to our members. Our target is to attract more participants of our members and potential new members.

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

1. Build an IEEE framework connecting main universities and modern industries in the Guangdong Province through the formation of chapters and student branches.
2. Maintain a series of IEEE activities in every month.
3. Attract more members to join in the activities and let them know the benefits of joining IEEE.