

Region 10 Guangzhou Section Report Format

(Please replace above heading with your Section name)

* 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
Coordinator	Yu	Weijie	92461107
Membership Development	Zhan	Zhihui	90581021
Professional Activities	Gao	Ying	95116933
Secretary, Treasurer	Hu	Xiaomin	80465144
Student Activities	Ying	Lin	90351741
Treasurer	Hu	Xiaomin	80465144

- Section Highlights

In 2020, 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)

The section technically supported the 2020 2nd World Symposium on Artificial Intelligence (WSAI), which was held in Guangzhou, 2020.

- Major Chapter Activities

One new Chapter, Guangzhou Section Chapter GRS29, was formed.

- Major Student and Affinity Group Activities

The student branches in Guangdong took part in various activities such as competitions and lectures.

- 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 year 2018, there were 1598 members.

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

By the year 19/02/2021, there were 2918 members. The member number was doubled in the past year.

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

Several high quality 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 17 Chapters in Guangzhou Section, which are listed as

No.	OU Type	Codes	OU Name
1	Chapter	CH10452	Guangzhou Section Chapter, CAS04
2	Chapter	CH10818	Guangzhou Section Chapter, NANO42 Guangdong
3	Chapter	CH10838	Guangzhou Section Chapter, SSC37
4	Chapter	CH10842	Guangzhou Section Chapter, CAS04 Shenzhen
5	Chapter	CH10646	Guangzhou Section Chapter, CT08 Shenzhen
6	Chapter	CH10479	Guangzhou Section Chapter, CIS11
7	Chapter	CH10419	Guangzhou Section Chapter, ED015
8	Chapter	CH10519	Guangzhou Section Chapter, EMB18 Shenzhen
9	Chapter	CH10697	Guangzhou Section Chapter, PE31
10	Chapter	CH10748	Guangzhou Section Chapter, PHO36 Guangdong
11	Chapter	CH10577	Guangzhou Section Chapter, SP01
12	Chapter		Guangzhou Section Chapter, IT12
13	Joint Chapter	CH10740	Guangzhou Section Chapter, AP03/MTT17
14	Joint Chapter	CH10695	Guangzhou Section Chapter, ED15/SSC37 Shenzhen
15	Joint Chapter	CH10760	Guangzhou Section Jt. Chapter, SP01/COM19-Shenzhen
16	Joint Chapter	CH10865	Guangzhou Section Jt. Chapter, EMC27/AP03
17	Chapter		Guangzhou Section Chapter, GRS29

- Number of Chapters formed in the current year
One new Chapter GRS29 was formed in 2020 as Guangzhou Section Chapter in 2020.
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
There were 17 active Chapters.
- Summary of Chapter activities (Chapter wise with attachment table/information)

OU Name	Highlights
Guangzhou Section Chapter, CAS04	Basic research on the application of wearable sensors
Guangzhou Section Chapter, NANO42 Guangdong	International Conference on Energy, Materials and Photonic
Guangzhou Section Chapter, SSC37	TPC meeting of ICTA IC design seminar in Zhuhai Guangdong
Guangzhou Section Chapter, CAS04 Shenzhen	Advanced CMOS Technology Winter School Design for Energy Efficiency: from System to Circuit
Guangzhou Section Chapter, CIS11	The enabler of new production factors-data security
Guangzhou Section Chapter, ED015	
Guangzhou Section Chapter, EMB18 Shenzhen	How to Perform Clustering in the Data Imbalance Environment? Metabolic Reprogramming in Cancer: the Bridge that Connect The Use of Medical Data and Cancer Research Across Speciation
Guangzhou Section Chapter, PHO36 Guangdong	OPTOELECTRONICS GLOBAL CONFERENCE 2020 Photonics Global Student Conference 2020 Industrial visit to JPT optoelectronics
Guangzhou Section Chapter, ED15/SSC37 Shenzhen	IEEE EDS DISTINGUISHED LECTURE
Guangzhou Section Jt. Chapter, SP01/COM19-Shenzhen	Online Comsoc Distinguished Lecture
Guangzhou Section Jt. Chapter, EMC27/AP03	MIMO Over-the-Air (OTA) Measurement

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)

None.

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

None.

B.5 Affinity Group Activities

- Young Professional (YP)

None.

- Women In Engineering (WIE)

None.

- 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

None.

B.10 Community Activities

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

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.

C3. 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 2020 – 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.