

Region 10 Guangzhou Section Report 2019

PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Executive Committee Member List

Position	Last Name	First Name	Member No.
Chair	Liu	Derong	1535400
Coordinator	Yu	Wei-Jie	92461107
Membership Development	Zhan	Zhi-Hui	90581021
Professional Activities	Gao	Ying	95116933
Secretary	Hu	Xiaomin	80465144
Student Activities	YING	LIN	90351741
Treasurer	Shi	Wen	94080909
Vice Chair	CHEN	WEI-NENG	80729331

- Section Highlights

In 2019, nine technical meetings were held by Guangzhou Section, covering the fields of artificial intelligence, cybersecurity, deep learning, virtual reality, networking, power, disease-specific biomarker research, and Chinese medicine classification. The series of lectures attracted more than 100 members and targeted audiences.

- Major Events (International, National)

The section technically supported the 2019 International Workshop on Signal Design and its Applications in Communications, which was held in Dongguan, on Oct. 20-24, 2019.

- Major Chapter Activities

One new Chapter, Guangzhou Section Chapter, IT12, was formed in 2019.

- 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 L50)

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 2015, there were 1073 members.

By the year 2016, the data is not available.

By the year 2017, there were 1287 members.

By the year 2018, there were 1598 members.

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

- 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 18 Chapters in Guangzhou Section, which are listed as

No.	OU Type	OU Name
1	Chapter	Beijing Section Chapter, AP03 – Shenzhen (This one should be in Guangzhou Section Chapter.)
2	Chapter	Guangzhou Section Chapter, CAS04 Shenzhen
3	Chapter	Guangzhou Section Chapter, NANO42 Guangdong
4	Chapter	Guangzhou Section Chapter, SSC37
5	Chapter	Guangzhou Section Chapter, CAS04
6	Chapter	Guangzhou Section Chapter, CE08 Shenzhen
7	Chapter	Guangzhou Section Chapter, CIS11
8	Chapter	Guangzhou Section Chapter, ED015
9	Chapter	Guangzhou Section Chapter, EMB18 Shenzhen
10	Chapter	Guangzhou Section Chapter, PE31
11	Chapter	Guangzhou Section Chapter, PHO36 Guangdong
12	Chapter	Guangzhou Section Chapter, SMC28 Shenzhen
13	Chapter	Guangzhou Section Chapter, SP01
14	Chapter	Guangzhou Section Chapter, IT12
15	Joint Chapter	Guangzhou Section Chapter, AP03/MTT17
16	Joint Chapter	Guangzhou Section Chapter, ED15/SSC37 Shenzhen
17	Joint Chapter	Guangzhou Section Jt. Chapter, SP01/COM19-Shenzhen
18	Joint Chapter	Guangzhou Section Jt. Chapter, EMC27/AP03

- Number of Chapters formed in the current year

One new Chapters were formed in 2019 as

Guangzhou Section Chapter, IT12

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

There were 11 Chapters that had reported meetings in 2019.

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

OU Name	No. of Reported Meetings	Highlights
Guangzhou Section Chapter, NANO42 Guangdong	5	High Performance Microwave Technologies for Terrestrial and Space Communication Highly Performed Perovskite Optoelectronic

		Devices beyond Photovoltaic Cells
Guangzhou Section Chapter, SSC37	2	SSCS Guangzhou Integrated Circuits Seminar SSCS Zhuhai (Guangdong) microelectronics seminar
Guangzhou Section Chapter,CAS04	2	Lecture: Baby Brain MR Image Computing and Analysis: Solutions and Applications
Guangzhou Section Chapter,CAS04 Shenzhen	4	Seminar by Prof. Wai Tung Ng
Guangzhou Section Chapter,CE08 Shenzhen	1	IEEE Consumer Electronics Society Shenzhen Chapter Technical Meeting
Guangzhou Section Chapter,CIS11	2	Research progress of terahertz silicon-based integrated circuits
Guangzhou Section Chapter,ED015	3	IEEE EDS Distinguished Lecture
Guangzhou Section Chapter,PE31	2	Power Capacitor New Technology
Guangzhou Section Chapter,PHO36 Guangdong	11	IEEE IPS seminar: The application and challenge of chaotic laser
Guangzhou Section Jt. Chapter, SP01/COM19-Shenzhen	6	IEEE ComSoc Distinguished Lecture: Wireless powered edge computing Invited Talk: Big Map, the New Normal of Delicacy Management
Guangzhou Section Jt. Chapter,EMC27/AP03	1	Seminar on 5G OTA and EMC measurement for wireless communication

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 Branch
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

No new branches were formed in 2019.

- 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)

Three student branches have reported meetings in 2019.

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

OU Name	No. of Reported Meetings
Guangdong University of Technology,PE31	2
Guangdong University of Technology,SMC28	2
Guangdong University of Technology,IE13	2

B.5 Affinity Group Activities

- Young Professional (YP)
None.
- Women In Engineering (WIE)
None.
- Life Member
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 2015
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)”
- None.

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.