

Region 10 Chengdu Section Report

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

Position	Name	Affiliation	Email
Chair	ZHU, Ce	University of Electronic Science and Technology of China (UESTC)	eczhu@uestc.edu.cn
Vice-Chair	LI, Bing	UESTC	windof47@gmail.com
Vice-Chair	ZHANG, Lei	Sichuan University(SCU)	leizhang@scu.edu.cn
Vice-Chair	ZHOU, Zhengchun	Southwest Jiaotong University	zzc@swjtu.edu.cn
Secretary	WU, Gang	UESTC	wugang99@uestc.edu.cn
Secretary/Treasurer	Wang, Wenyi	UESTC	wwang_wenyi@163.com
Chair of Technical Activities Committee	Zhang, Bo	UESTC	zhangbo@uestc.edu.cn
Vice-Chair of Technical Activities Committee	Zhou, Qi	UESTC	zhouqi@uestc.edu.cn
Chair of Membership Development Committee	ZOU, Jianxiao	UESTC	jxzou@uestc.edu.cn
Chair of Education Committee	YAO, Dezhong	UESTC	dyao@uestc.edu.cn
Vice-Chair of Education Committee	LI, Yongjie	UESTC	liyj@uestc.edu.cn
Chair of Professional Activities Committee	LI, Li	Southwest Jiaotong University(SWJTU)	ll5e08@swjtu.edu.cn
Chair of Liaison	ZAHNG, Zhenyuan	UESTC	zhangzhenyuan@uestc.edu.cn
Chair of Awards & Recognition Committee	FAN, Pingzhi	SWJTU	p.fan@ieee.org
Representative of Student Activities Committee	TAN, Kang	UESTC	kangtan@uestc.edu.cn
Chair of Student Activities Committee	SUN, Sheng	UESTC	sunsheng@uestc.edu.cn
vice-Chair, Student Activities Committee	Long, Zhen	UESTC	zhen.long@uestc.edu.cn
Editor of News Letter & Webmaster	LUO, Fengwu	UESTC	fwluo@uestc.edu.cn

- Section Highlights
 - 1) Total 16 International Conferences are Technically Co-Sponsored by IEEE Chengdu Section and held at Chengdu or in other City of Sichuan Province, with lists as shown in Table below.

Date	Name of Conference	Areas
Oct. 18-20, 2024	The 2024 IEEE 24th International Conference on Communication Technology (ICCT)	Communications Technology
Jul 20-22, 2024	The 2024 7th Asia Conference on Energy and Electrical Engineering (ACEEE)	Energy and Electrical Engineering
Aug. 9-11, 2024	The 2024 6th Asia Energy and Electrical Engineering Symposium (AEEES)	
May 17-20, 2024	The 10th International Power Electronics and Motion Control Conference, IPEMC 2024-ECCE Asia	
May 24-	The 2024 7th International Conference on Artificial Intelligence and Big Data (ICAIBD)	AI and Big Data

27, 2024		
Apr. 25-27, 2024	The 2024 9th International Conference on Cloud Computing and Big Data Analytics (ICCCBDA)	
Apr. 12-14, 2024	The 2024 7th World Conference on Computing and Communication Technologies (WCCCT)	
Nov. 8-10, 2024	The 2024 13th International Conference on Educational and Information Technology (ICEIT)	
Dec. 20-22, 2024	The 2024 4th International Symposium on Artificial Intelligence and Intelligent Manufacturing (AIIM)	
Sep. 20-23, 2024	The 2024 6th International Conference on Circuits and Systems (ICCS)	Electronics Technology
May 18-20, 2024	The 2024 7th International Conference on Electronics Technology (ICET)	
Dec. 6-9, 2024	The 2024 9th International Conference on Information Science and Technology (ICIST)	
Dec. 14, 2024	The 2024 10th International Conference on Computer and Communications (ICCC)	
Sep. 20-22, 2024	The 2024 3rd International Conference on Electronics and Information Technology (EIT)	
Dec. 14-16, 2024	The 2024 21th International Computer Conference on Wavelet Active Media Technology and Information Processing (ICCWAMTIP)	
Oct. 18-20, 2024	The 2024 6th International Communication Engineering and Cloud Computing Conference (CECCC)	

2) Prof. Hanwen Yu of University of Electronic Science and Technology of China (UESTC) was elected as Fellow of IEEE, (for contributions to InSAR phase unwrapping and its applications.

- Major Events (International, National)

1) **National:** On November 30 2024, the 2024 China Information and Communication Conference and the Annual Conference of the China Institute of Communications (CIC), co-sponsored by the University of Electronic Science and Technology of China, was held in Chengdu. With the theme of "Science and Technology Leading Innovation, Industry Building the Future Together", the conference focused on cutting-edge ICT fields such as next-generation mobile communications, computing and network integration, high-speed optical communications, satellite Internet, quantum communications, cybersecurity, national defense communications, energy Internet, artificial intelligence, and terahertz communications, and held academicians forums, special conferences, and paper discussions.

2) **International:** Co-sponsored by IEEE and CIC, as one of TCS, The 2024 IEEE 24th International Conference on Communication Technology (ICCT) was held from Oct. 18-20, 2024, at Chengdu.

- Major Chapter Activities

1) IEEE ComSoc Chengdu Chapter won a competitive bidding on holding IEEE International Conference on Communications (ICC) 2028 and held an Executive Committee Meeting on July with attendees including founder of ComSoc Chapter Chengdu, Prof. Pingzhi Fan.

2) The IEEE Electron Devices Society (EDS) has announced the results of the election of chairmen of technical committees in related areas of expertise. The election was held in August 2024. After nomination, recommendation, personal statement and Committee voting, Professor Gong Yubin from the School of Electronic Science and Engineering of UESTC was successfully elected as the Chairman of the Vacuum Electronics Technical Committee (VETC). For a two-year term (2025-2026), he became the first Chinese scholar to be elected Chairman of the VETC.

3) IEEE PELS Chengdu Chapter technically co-sponsored 2024 6th Asia Energy and Electrical Engineering Symposium (https://events.vtools.ieee.org/tego_/event/manage/465195)

4) Total 4 invited speeches on microwave techniques given by international well-known experts were organized by IEEE MTT Chengdu chapter,

5) IEEE GRSS Chengdu Chapter successfully organized member participation in the 2024 International Geoscience and Remote Sensing Symposium (IGARSS), where members presented their latest research findings and engaged in in-depth exchanges with experts and scholars from around the world. Participating in the IGARSS not only enhanced the international perspective and academic level of the members but also won international reputation and recognition for the IEEE GRSS Chengdu Chapter.

- 6) The 51st IEEE International Conference on Plasma Science (ICOPS) and the 4th Asia-Pacific Conference on Plasma and Terahertz Science (APCOPTS), held in Beijing in 2024, were co-sponsored by IEEE NPSS Chengdu Chapter.
 - 7) During 2024, total 5 invited talks on channel coding and communications were given at Xipu Campus of Southwest Jiaotong University, TCS by IEEE ITS Chengdu Chapter.
- Major Student and Affinity Group Activities
 - 1) The 2024 SPCC Student Competition, organized by the IEEE Communications Society's Communications Signal Processing and Computing (SPCC) Technical Committee, was presented at the IEEE GLOBECOM 2024 conference in Cape Town, South Africa. The competition lasted for 7 months and attracted teams from many well-known universities and research institutions around the world. After strict preliminary review and online defense, the team of National Key Laboratory of Wireless Communication of UESTC won the champion.
 - 2) More 1000 Undergraduate and Graduate Students in UESTC, SCU, and SWJTU attended 2024 IEEEExtreme competition.
 - Awards
 - 1) On December 2024, Fengjun Mu, a Class of 2022 PhD student in the School of Automation Engineering, presented "Gaze Betray You: Abnormal Attention Detection from Human-Robot Interaction Dynamics" at the prestigious IEEE International Conference on Robotics and Biomimetics (IEEE ROBIO) and won the "Best Paper Award in Biomimetics". This work was completed by Professor Cheng Hong's team at the Engineering Research Center of Human-Machine Intelligence Technology and Systems of the Ministry of Education, UESTC.
 - 2) The paper "Hfedms: Heterogeneous federated learning with memorable data semantics in industrial metaverse" authored by Mr. Shenlai Zeng and Prof. Hongfang Yu of the School of Information and Communication Engineering of UESTC was awarded the only best paper award from IEEE Transactions on Cloud Computing at year 2023.
 - 3) At the International Conference of the IEEE Systems, Man, and Cybernetics Society Annual Meeting (IEEE SMC 2024) in Malaysia, October 6-10, Gu Yu, member of Ren Fuji's team at the School of Computer (Network Security), University of Electronic Science and Technology of China, published a paper on the international journal IEEE Transactions on Human-Machine Systems titled "WiGRUNT: WiFi-Enabled Gesture Recognition Using Dual-Attention Network" won the 2024 IEEE Andrew P. Sage Best Transactions Paper Award.

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

- Summary (as per submitted on NetSuite)
The financial report has been submitted to NetGen.
- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
3420.(Total 3590 member is counted until Feb. 2025)
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
The IEEE Chengdu Section has implemented several strategic initiatives to enhance the value of IEEE membership, contributing to member retention and growth, now exceeding 3,500 members. Below is a synthesis of their key efforts and supporting evidence from the search results:

- (1) Academic Conferences and Collaborative Events: The section has organized and co-sponsored high-profile international conferences, such as the IEEE ICCT 2024 in Chengdu, which focuses on communication technology advancements.
- (2) Recognition of Member Achievements: The section actively acknowledges academic excellence to motivate members.
- (3) Partnerships with Universities and Industry: Collaborations with institutions like UESTC and industry players (e.g., Huawei) have expanded opportunities for members.
- (4) Promotion of IEEE Publications and Resources: By emphasizing the use of IEEE journals and technical standards, the section ensures members stay at the forefront of technology.
- (5) Membership Growth and Outreach: Since its establishment in 2007, the IEEE Chengdu Section has grown from under 100 members to over 3,500, driven by localized outreach in Southwest China, in particular in UESTC, more than 1300 graduate student member are enrolled every year. Activities include workshops, seminars, and regional conferences.

B.2 Chapter Activities

- Total number of Chapters in the Section
IEEE Chengdu Section now have 17 Chapter, one joint Chapter, and 1 Affinity Group.
- Number of Chapters formed in the current year
None
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
17
- Summary of Chapter activities (Chapter wise with attachment table/information)
Every chapter hold off-line or online executive meeting. More than 50 events were reported online via tools.ieee.org by various Chapters. Major activities are listed as shown below.

Title	Date	Hosts	Location
Quadratic forms, vectoria bent functions and linear codes : Chengdu Section Chapter, IT12	18 Jan 2024 02:00 AM	CH10481	Chengdu, Sichuan
IEEE CASS China Workshop - Chengdu : Chengdu Section Joint Chapter, SSC37/CAS04	25 Jan 2024 01:00 AM	CH10668	Chengdu, Sichuan
Invited talk (on-line): Erasure Coding for Dependable storage at Scale : Chengdu Section Chapter, COM19	21 Feb 2024 06:00 AM	CH10743, R00206	Chengdu, Sichuan
Conference Paper Review for 2024 IEEE International Conference on Prognostics and Health Management (ICPHM2024) : Chengdu Section Chapter, RL07	01 Mar 2024 02:48 PM	CH10821	Chengdu, Sichuan
Plan on 2024 of Executive Committee of IEEE ComSoc Chengdu Chapter : Chengdu Section Chapter, COM19	14 Mar 2024 06:30 AM	CH10743, R00206	Chengdu, Sichuan
Invited talk: My Personal Research Experience and Research Pathway : Chengdu Section Chapter, COM19	21 Mar 2024 02:00 AM	CH10743, R00206	Chengdu, Sichuan
Technical Seminar: Overview of Electromagnetic Selective Structures : Singapore Section Chapter, AP03/MTT17	22 Mar 2024 07:30 AM	CH10120	Singapore , Singapore
2024 6st Asia Energy and Electrical Engineering Symposium : Chengdu Section Chapter, PEL35	28 Mar 2024 01:00 AM	CH10906	Chengdu, Sichuan
Low Power Wireless Biopotential Sensor Design : Chengdu Section Joint Chapter, SSC37/CAS04	29 Mar 2024 06:30 AM	CH10668	Chengdu, Sichuan
2024 Annual Conference of Reliability Society of ORSC : Chengdu Section Chapter, RL07	19 Apr 2024 12:30 AM	CH10821	Chengdu, Sichuan
Seminar on Quality and Reliability Management in the Age of Digital Intelligence and Academic Conference of School of Management Science and Engineering in the Centennial Anniversary of Southwestern University of Finance and Economics : Chengdu Section Chapter, RL07	19 Apr 2024 01:00 AM	CH10821	Chengdu, Sichuan
Invited talk: "how to do a good job of scientific research and write a good paper?" : Chengdu Section Chapter, COM19	19 Apr 2024 07:00 AM	CH10743, R00206	Chengdu, Sichuan
Techniques of mutual coupling reduction and wide-angle scanning for dual-polarized massive MIMO antenna arrays : Chengdu Section Chapter, MTT17	26 Apr 2024 02:20 AM	CH10416	Chengdu, Sichuan
Invited Talk: Aggressive Design Reuse for Ubiquitous and Hardware-Patchable Secure Chips – From Physical Design to On-Chip Machine Learning : Chengdu Section Chapter, ED15	06 May 2024 01:10 AM	CH10413	Singapore, Singapore
Prior-knowledge Guided Machine-learning Enabled Metalens Antenna Design : Chengdu Section Chapter, SP01	18 May 2024 01:15 AM	CH10597	Chengdu, Sichuan
Invited Talk: Recent Advances on Neural Architecture Search : Chengdu Section Chapter, SP01	25 May 2024 03:00 AM	CH10597	Chengdu, Sichuan
Invited talk: Split Learning for 6G Edge Intelligence : Chengdu Section Chapter, COM19	06 Jun 2024 02:00 AM	CH10743, R00206	Chengdu, Sichuan

IEEE R10 VTS Chengdu Chapter Supported Distinguished Lecture Talk for Prof. Xianhao Chen : Chengdu Section Chapter, VT06	06 Jun 2024 02:00 AM	CH10480	Chengdu, Sichuan
Training Courses by Prof. Enrico Zio entitled Advanced Methods for Prognostics and Health Management (PHM) of Industrial Equipment : Chengdu Section Chapter, RL07	01 Jul 2024 01:00 AM	CH10821	Chengdu, Sichuan
Speech given by Prof. Zio at SUFE entitled Intelligence for the Safety of Critical Systems : Chengdu Section Chapter, RL07	02 Jul 2024 05:00 AM	CH10821	Chengdu, Sichuan
Wireless Power Transmission based on Retro-reflective Beamforming : Chengdu Section Chapter,MTT17	03 Jul 2024 01:30 AM	CH10416	Chengdu, Sichuan
Invited talk given by Prof. Changqing Zhang of Tianjin University : Chengdu Section, GRS29	03 Jul 2024 06:30 AM	CH10746	Chengdu, Sichuan
The 8th China Joint Conference of Aerospace Propulsion : Xian Section Chapter,IM09	03 Jul 2024 01:00 PM	CH10955	Chengdu, Sichuan
Artificial Intelligence for the Safety of Critical Systems : Chengdu Section Chapter, RL07	03 Jul 2024 01:33 PM	CH10821	Chengdu, Sichuan
Invited talk: A Fast Algorithm for Reed Solomon Codes in Erasure Scenarios : Chengdu Section Chapter, IT12	15 Jul 2024 07:00 AM	CH10481	Chengdu, Sichuan
Meeting of Executive Committee of IEEE ComSoc Chengdu Chapter and Preparation Meeting for hosting IEEE ICC 2028 at Chengdu : Chengdu Section Chapter, COM19	19 Jul 2024 06:00 AM	CH10743, R00206	Chengdu, Sichuan
IEEE R10 VTS Chengdu Chapter Supported Distinguished Lecture Talk for Prof. Zhiguo Ding : Chengdu Section Chapter, VT06	23 Jul 2024 06:30 AM	CH10480	Chengdu, Sichuan
6G Polarization Encoding Transmission Technology : Chengdu Section Chapter, IT12	23 Aug 2024 07:00 AM	CH10481	Chengdu, Sichuan
Lightweight Instantly Decodable Network Coding : Chengdu Section Chapter, IT12	30 Aug 2024 07:30 AM	CH10481	Chengdu, Sichuan
A new encoding computation method for Distributed multi-task learning : Chengdu Section Chapter, IT12	06 Sep 2024 07:30 AM	CH10481	Chengdu, Sichuan
The key technology of intelligent medical image segmentation in complex scene : Chengdu Section Chapter, CIS11	18 Sep 2024 12:30 AM	CH10513	Chengdu, Sichuan
Parallel and distributed optimization of scalable feature selection : Chengdu Section Chapter, CIS11	18 Sep 2024 12:30 AM	CH10513	Chengdu, Sichuan
Equivalent circuit modelling of metasurfaces as design tool in EM absorbers, antennas and reconfigurable intelligent surfaces : Chengdu Section Chapter,MTT17	19 Sep 2024 01:00 AM	CH10416	Chengdu, Sichuan
Research Progress in mmWave and THz ICs and Systems : Chengdu Section Chapter,CEDA44	19 Sep 2024 01:00 AM	CH10928	Chengdu, Sichuan
Efficient multi-objective optimization of tile-based phased arrays and multi-beam antenna designs : Chengdu Section Chapter,MTT17	19 Sep 2024 01:00 AM	CH10416	Chengdu, Sichuan
2024 International Annual Conference on Complex Systems and Intelligent Science, Track 10: Artificial Intelligence in Medicine : Chengdu Section Chapter, CIS11	20 Sep 2024 01:00 AM	CH10513	Guangzhou, Guangdong
Future Role of Mixed-Signal Circuits for Energy-Efficient Communication Systems : Chengdu Section Chapter,CEDA44	21 Sep 2024 02:30 AM	CH10928	Chengdu, Sichuan
Invited talk: Principles and design of classical to quantum-error correction coding : Chengdu Section Chapter, COM19	25 Sep 2024 01:30 AM	CH10743, R00206	Chengdu, Sichuan
Invited talk: Corrector design of the true random number generator : Chengdu Section Chapter, COM19	27 Sep 2024 01:00 AM	CH10743, R00206	Chengdu, Sichuan
IFFS CONFERENCE ON ELECTRONIC SCIENCE AND TECHNOLOGY : Chengdu Section Chapter,NANO42	27 Sep 2024 01:45 AM	CH10917	Chengdu, Sichuan
The 24th IEEE International Conference on Communications Technology (IEEE ICCT 2024) concluded successfully in Chengdu in 2024 : Chengdu Section	18 Oct 2024 06:00 AM	R00206	Chengdu, Sichuan
Seminar on RAN intelligence by Prof. Tony Quek : Chengdu Section Chapter, COM19	21 Oct 2024 07:00 AM	CH10743, R00206	Chengdu, Sichuan
Physics-Informed Neural Network for Health Status Assessment of Control Rod Drive Mechanisms of Nuclear Reactors : Chengdu Section	25 Oct 2024 01:30 AM	CH10821, R00206	Chengdu, Sichuan
Invited talk by COMSOC DL, Prof. Zhijin Qin of Tsinghua University : Chengdu Section Chapter, COM19	07 Nov 2024 12:00 AM	CH10743, R00206	Chengdu, Sichuan
Academic Forum -- Recent imaging technologies towards a more realistic and immersive user experience : Chengdu Section	28 Nov 2024 06:00 AM	R00206	Chengdu, Sichuan
2024 Annual Conference of CEMLAB of UESTC : Chengdu Section Chapter,MTT17	16 Dec 2024 01:00 AM	CH10416	Chengdu, Sichuan
Online Meeting : Chengdu Section Chapter, RL07	20 Dec 2024 02:00 AM	CH10821	Chengdu, Sichuan
Test-Time Adaptation: Learning from Testing Data at Inference Stage : Chengdu Section	21 Dec 2024 06:30 AM	R00206	Chengdu, Sichuan

Online Talk of Prof. Zhiguo Zeng : Chengdu Section Chapter, RL07	23 Dec 2024 02:00 AM	CH10821	Chengdu, Sichuan
Physics-Driven AI: Computational Imaging, Restoration and Vision : Chengdu Section	23 Dec 2024 06:00 AM	R00206	Chengdu, Sichuan
ExCom meeting of IEEE Chengdu Section and Chapter Chair : Chengdu Section	31 Dec 2024 07:00 AM	R00206	Chengdu, Sichuan

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

Total 17 conferences are supported technically by Chengdu Section or by society chapters and 3 distinguished lecture programs are received.

(1) Invited talk by COMSOC Distinguished Lecture, Prof. Zhijin Qin of Tsinghua University, organized by Chengdu Section Chapter, COM19 is arranged on November 7, 2024.

(2) IEEE R10 VTS Chengdu Chapter Supported Distinguished Lecture Talk for Prof. Xianhao Chen , organized by Chengdu Section Chapter, VT06, is arranged on June 6, 2024.

(3) IEEE R10 VTS Chengdu Chapter Supported Distinguished Lecture Talk for Prof. Zhiguo Ding, organized by Chengdu Section Chapter, VT06 is arranged on July 23, 2024.

B.4 Students Activities

- Total number of Student Branches in the Section
1, i.e., IEEE UESTC Student Branch

- Number of Student Branches formed in the current year
0

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

Ever year, IEEE UESTC Student Branch organized advertisement session for enrollment and pre-competition info for IEEEExtreme competition. At 2024, more than 200 teams, including more than 1000 graduate students joined the IEEEExtreme 18 competition.

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

- Summary of Student Branch activities (Student Branch wise with attachment table/information)
At 2024, more than 200 teams, including more than 1000 graduate students joined the IEEEExtreme 18 competition.

B.5 Affinity Group Activities

- Young Professional (YP)
Chengdu Affinity Young Profession (YP00206) organized advertisement session for membership development.

- Women In Engineering (WIE)
N/A

- Life Member (LM)
N/A

B.6 Awards & Recognition Activities

- Award constituted by the Section
The award ceremony for best chapters, best section student paper, and best volunteer etc is to be arranged at early April 2025 around April 7.

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

4) On December 2024, Fengjun Mu, a Class of 2022 PhD student in the School of Automation Engineering, presented "Gaze Betray You: Abnormal Attention Detection from Human-Robot Interaction Dynamics" at the prestigious IEEE International Conference on Robotics and

Biomimetics (IEEE ROBIO) and won the "Best Paper Award in Biomimetics". This work was completed by Professor Cheng Hong's team at the Engineering Research Center of Human-Machine Intelligence Technology and Systems of the Ministry of Education, UESTC.

- 5) The paper "Hfedms: Heterogeneous federated learning with memorable data semantics in industrial metaverse" authored by Mr. Shenlai Zeng and Prof. Hongfang Yu of the School of Information and Communication Engineering of UESTC was awarded the only best paper award from IEEE Transactions on Cloud Computing at year 2023.
- 6) At the International Conference of the IEEE Systems, Man, and Cybernetics Society Annual Meeting (IEEE SMC 2024) in Malaysia, October 6-10, Gu Yu, member of Ren Fuji's team at the School of Computer (Network Security), University of Electronic Science and Technology of China, published a paper on the international journal IEEE Transactions on Human-Machine Systems titled "WiGRUNT: WiFi-Enabled Gesture Recognition Using Dual-Attention Network" won the 2024 IEEE Andrew P. Sage Best Transactions Paper Award.

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

- Newsletter (name and number of issues in the year)
The first issue of 2025 is to be issued at end of Feb. Future plan is bi-monthly.
- Home Page of the Section (give the URL and how often it is updated)
<http://www.ieee.org/go/chengdu>
- Other means of contacts with Section members including social media
Wechat group of IEEE Chengdu Section.

B.8 Industry Relations

- Membership growth and retention
None
- Activities for/with industrial members
None

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
None
- 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
 - (1) On April 15, we submit the bidding proposal for holding IEEE ICC 2028 at Chengdu. By organization of local executive group and headed by Prof. Pingzhi Fan, we successfully won the bid. It is the third time for IEEE ICC to be held at mainland China. The first time is on 2008 at Beijing and the second time is on 2017 at Shanghai.
 - (2) IEEE ICCT 2024 were held from Oct. 18-20, 2024 at Chengdu, which is co-sponsored by IEEE and China Insinuate of Communications. More than 300 participants attended the conferences.
- Funding secured from the IEEE and external sources including sponsorships

By collaborating with China Insinuate of Communications, and Sichuan branch of Chinese Institute of Electronic, during 2024 year, there were more than 10 conferences held successful jointly.

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

- Nature of relationship and details of any formal agreement signed
None
- Details of joint activities
None
- Benefit to IEEE members (for example discounts, access to technical information etc.)
None
- 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
Support IEEE Beijing Section to hold two conferences during 2024
- 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
Jointly meeting with ComSoc Chengdu Chapter, ITS Chengdu Chapter, and CIS Chengdu Chapter.
- Joint activities for membership development
We prompt graduate student membership development in UESTC, SCU, and SWJTU during various academic seminar and events.
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section
None.

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

None.

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

Organizing high-level technical conferences and hold Region 10 conference like TENCON etc, and serving as the bridge to all IEEE members in southwest China.

D.2 Goals and Future Plans

Our goal is to keep section members close to 4,000 and serves our members better by more academic activities, including conferences, workshops, seminars, visit exchanges etc.

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

To hold joint events with local institute and industrial companies, and develop professional and K-12 electrical and electronic public-free tutorial. .

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

To advertise IEEE Chengdu Section on major universities except UESTC to find new growth opportunities and seeking for industry support for financial stability.

IEEE Communications Society

Signal Processing and Computing for Communications (SPCC) Technical Committee



Student Challenge and Video Contest

Presented to

Yike Xie, Dong Wang, Xin Wei, Qiaoran Jia
University of Electronic Science and Technology of China

December 2024



Ana García Armada
IEEE ComSoc SPCC TC Chair

