

Suggested Section Report Format

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

Chair: Xiaohong Guan, Xi'an Jiaotong University

Vice Chair: Jiandong Li, Xidian University

Jingdong Chen, Northwestern Polytechnical University

Treasurer: He Xiang, Northwestern Polytechnical University

Technical Activities Committee Chair: Xingshe Zhou, Northwestern Polytechnical University

Awards & Recognition Committee Chair: Licheng Jiao, Xidian University

Educational Activities Committee Chair: Feng Gao, Xi'an Jiaotong University

Membership Development Committee Chair: Xinbo Gao, Xidian University

- Major Events (International, National)

1. Successfully Organized IEEE ICSPCC2014 (2014 IEEE International Conference on Signal Processing, Communications and Computing) ;

2. Successfully Organized IEEE ICIII2014 (2014 Seven International Conference on Information Management, Innovation Management and Industrial Engineering) ;

3. Successfully Organized the Meeting of 2014 Summary and New Year's Celebration for Xi'an Section

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

- Summary (as per submitted L50)

In 2014, the total receipts of XI'AN SECTION is about \$38711.69. It includes the balance of 2013 about \$9302.46, the financial assistance of Northwestern Polytechnical University is about \$6643.38, the section rebate is about \$5087.50, the conference from region 10 is \$9450.00, the JiaoTong University Student Branch project from IEEE is \$8200.00, the interest is about \$28.35.

The total 2014 expenses of XI'AN SECTION is about \$27842.81. The expenditure mainly refers to the XI'AN section annual meeting and academic conference. Such as hall, reception, transportation, the Xi'an Section website management, etc.

The balance of 2014 is about \$10868.88.

- Any other financial activities

Extra financial support mainly comes from the Northwestern Polytechnical University.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

By Dec, 14th, 2014, the total amount of active members of IEEE Xi'an Section is 903, while the number was 747 for the year 2013 and 677 for the year 2012. It increases 21% and 10% than the members in 2013 and 2012 respectively.

In 2015, we continue our effort to increase membership, especially the student members.

B.2 Chapter Activities

By 2014, there are 11 chapters in Xi'an Section, all of which are active. The chapters are as follows:

IEEE Xi'an Electronic Device Chapter
 IEEE Xi'an Signal Processing Chapter
 IEEE Xi'an Computer Chapter
 IEEE Xi'an Computational Intelligence Chapter
 IEEE Xi'an Communication Chapter
 IEEE Xi'an Microwave Theory and Techniques Chapter
 IEEE Xi'an Systems, Man, and Cybernetics Chapter
 IEEE Xi'an Electromagnetic Compatibility Chapter
 IEEE Xi'an Power & Energy Chapter
 IEEE Xi'an Reliability Chapter
 IEEE Xi'an Circuit & System Chapter

Among which IEEE Xi'an Electromagnetic Compatibility Chapter, IEEE Xi'an Power & Energy Chapter, IEEE Xi'an Reliability Chapter, and IEEE Xi'an Circuit & System Chapter are newly formed in 2014.

IEEE Xi'an Signal Processing Chapter won the Excellent SP Chapter Awards in 2014, which is the only 4 chapters in IEEE region 10.

Signal Processing Chapter

No.	Date	Topic
1.	08/05/2014	Held IEEE ICSPCC 2014, Guilin, Guangxi. Co-Sponsor by IEEE Xi'an Section and Hong Kong Section
2.	07/09/2014	Held IEEE ChinaSIP 2014, Xi'an, Shaanxi. Co-Sponsor by IEEE Xi'an Section
3.	07/09/2014	Held MIIS 2014, Xi'an, Shaanxi. Co-Sponsor Xidian University.

Communication Chapter

No.	Date	Topic
1.	09/11/2014	Held IEEE CIT 2014, Xi'an, Shaanxi. Co-Sponsor by IEEE Xi'an Section
2.	10/15/2014	Held IEEE NSS 2014, Xi'an, Shaanxi. Co-Sponsor by IEEE Xi'an Section
3.	12/19/2014	Professor Jiandong Li gave a keynote talk on CSE2014

Electronic Devices Chapter

No.	Date	Topic
1.	06/23/2014	Held 18th National Annual Academic Conference on Silicon Material and Integrated Circuit, Xi'an, Shaanxi. Co-Sponsor by Xidian University
2.	06/13/2014	Professor J.J Liou from University of Central Florida, USA, delivered "Prospect and Outlook of Electrostatic Discharge (ESD) Protection in Emerging Technologies"
3.	06/13/2014	Professor Vijay Arora from Wilkes University, USA, delivered "Carbon: The Soul of Future Nanoelectronics"

Computational Intelligence Chapter

No.	Date	Topic
1.	05/18/2014	Held 2014 International Workshop on Intelligent Perception and Image Understanding, Xi'an, Shaanxi. Co-Sponsor by Xidian University
2.	07/06/2014	Organized 3 special sessions on WCCI 2014, Beijing.
3.	10/08/2014	Held 2014 National Workshop on Education and Teaching of Smart Science Technology, Xi'an, Shaanxi. Co-Sponsor by Xidian University

Microwave Theory and Techniques Chapter

No.	Date	Topic
1.	03/24/2014	Professor Lei Zhu delivered "Compact Microwave Bandpass Filters on Quarter-Wavelength Resonator"
2.	10/24/2014	Professor Tiejun Cui delivered "Interactions between electromagnetic wave and complex material"
3.	12/14/2014	Professor Duixian Liu delivered "Designs of Organic Package with Embedded Antennas for mmWave Phased-Array Applications"

Systems, Man, and Cybernetics Chapter

No.	Date	Topic
1.	05/28/2014	Professor Lei Feng from Royal Institute of Technology, Sweden, delivered “Predictive Control of the Engine Cooling System for Improved Fuel Efficiency”
2.	05/28/2014	Professor Kamel Barkaoui from CNAM, France, delivered “On the State Explosion Problem in Verification of Concurrent Systems”
3.	08/11/2014	Professor Yu Zhao from National Chengchi University, Taiwan, delivered “Computation of Control Related States of Left K-net System (with a Non-sharing Resource Place) of Petri Nets”
4.	09/05/2014	Professor Tasawar Hayat from Quaid-I-Azam University, Pakistan, delivered “Peristaltic Motion of a Mag-netohydro dynamic Generalized Second-Order Fluid in an Asymmetric Channel”
5.	11/11/2014	Professor Mauro Franceschelli from University of Cagliari, Italy, delivered “Introduction to the Discrete Consensus Problem to Gossip Based Algorithms for Distributed Task Assignment in Multi-Agent Systems”
6.	11/20/2014	Professor Maria Pia Fanti from Barry Polytechnic Institute, Italy, delivered “Quantized Consensus Algorithm for Distributed Task Assignment: Results and Applications”

Circuit & System Chapter

No.	Date	Topic
1.	06/10/2014	Professor Jie Liang from Simon Fraser University, Canada, delivered “Graphical Model-based View Synthesis Distortion Estimation”
2.	06/25/2014	Professor Xiaolin Wu from McMaster University, Canada, delivered “Augmented Perception of High Dynamic Range Images via Optimal Tone Mapping”
3.	08/05/2014	Professor Wei Liu from IBM Watson Research Center, U.S.A., delivered “Hashing for large-scale visual search”

Electromagnetic Compatibility Chapter

No.	Date	Topic
1.	06/23/2014	Held 2014 International Workshop on High Power Electromagnetic Environment Effects and Protection, Xi’an, Shaanxi. Xi’an, Shaanxi. Co-Sponsor by IEEE Xi’an Section

B.3 Professional and Continuing Education Activities

1. Successfully Organized IEEE ICSPCC2014 (2014 IEEE International Conference on Signal Processing, Communications and Computing)

In August 5, 2014, collaborating with the IEEE Hong Kong Section, we hosted “2014 IEEE International Conference on Signal Processing, Communications and Computing” in Guilin, Guangxi. More than two hundreds of specialists and scholar from America, French, Japan, Australia, India, South Korea, etc. attended this conference.

2. Successfully Organized ICIII2014(2014 Seven International Conference on Information Management, Innovation Management and Industrial Engineering)

In October 25, 2014, collaborating with Shaanxi Computer Society, Chang’an University and Xi’an University of Technology, we hosted “2014 Seven International Conference on Information Management, Innovation Management and Industrial Engineering” in Chang’an University, Xi’an. More than three hundreds of specialists, scholars from Germany, Australia, South Korea, Romania, Indonesia, Malaysia, etc. and students from Chang’an University attended this conference.

B.4 Students Activities

By 2014, there are 3 student branches in IEEE Xi’an Section. No new student branch is formed in 2014.

1. IEEE Northwestern Polytechnical University student branch.
 - 1) Assist in preparing and hosting ICSPCC 2014
 - 2) Assist in organizing academic report

2. IEEE Xidian University student branch.
 - 1) Assist in holding “Spring of academic” series academic communications
 - 2) Assist in holding “Workshop on Big Data Smart Sensing, Learning and Computing”
 - 3) Assist in holding “National Workshop on Education and Teaching of Smart Technology”

3. IEEE Xi’an Jiao Tong University student branch.
 - 1) From March 16 to March 20, 2 members and 5 student members attended Conference of APEC 2014 in Texas, USA.
 - 2) Assist in organizing several international academic communications.

B.5 Affinity Group Activities

There is currently no affinity group in IEEE Xi’an Section.

B.6 Awards & Recognition Activities

- Award constituted by the section
- Award(s) received from R10
- Award(s) received from IEEE HQ

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 frequency which it is updated)
www.ieeexian.org, updated about every three months.
- Other means of contacts with section members
IEEE Xi’an Section normally contact with its members directly with Emails, informing them when there is some activities or some important information. We also provide support to students who present papers at international conferences.

B.8 Industry Relations

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

B.9 Humanitarian Technology Activities

B.10 Community Activities

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

PART C - OTHERS

C.1 Relationship with National Societies

C.2 Special Events

Successfully Organized the Meeting of 2014 Summary and New Year’s Celebration for Xi’an Section.

C.3 Problems to be Anticipated

C.4 Best Practices of your section (which you would like share with other sections for the benefits of members)

PART D - GOALS AND PLANS

D.1 Continuation of Project/Activity in Progress and Their Implementation Plans

D.2 Goals and Future Plans

- 1) Develop service of membership and upgrading of member class.
- 2) Perfect IEEE Xi'an Section and establish new chapters.
- 3) Invite worldwide famous specialists and scholars for academic communication.
- 4) Prepare assisting and holding for international conference.
- 5) Establish long-term partnership with Hi-Tech enterprises in Xi'an.
- 6) Enhance the work of student branches for communication, training and competition.
- 7) Perfect the website of IEEE Xi'an Section.
- 8) Upload related summaries and reports in time.
- 9) Enhance the relationship with Northwestern Polytechnical University for more support.