

IEEE Beijing Section Report 2015

PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Executive Committee Member List

Ruan Qiuqi	Chair	qqruan@bjtu.edu.cn
Wen Yinghong	Vice Chair	yhwen@bjtu.edu.cn
Zhou Mengqi	Vice Chair	zhou698@vip.sina.com
An Gaoyun	Secretary/Treasurer	an.gaoyun@gmail.com
Li Hua	Technical Activities Committee Chair	lihua@ict.ac.cn
Wen Yinghong	Education Committee Chair	yhwen@bjtu.edu.cn
Hu Yinfu	Membership Development Committee Chair	huyinfu@hotmail.com
He Mang	Professional Activities Committee Chair	hemang@bit.edu.cn
He Jinliang	Awards & Recognition Committee Chair	hejl@tsinghua.edu.cn
Qiu Xuejun	Humanitarian Technology Activities Committee Chair	xj7628@163.com
Mei Shengwei	Fellows Committee Chair	meishengwei@tsinghua.edu.cn
Zhou Mengqi	Conference Committee Chair	zhou698@vip.sina.com
Ni Rongrong Zhang Man	Student Activities Committee Chair	rrni@bjtu.edu.cn zhangman@nlpr.ia.ac.cn
Dong Jing	Women in Engineering Committee Chair	jdong@nlpr.ia.ac.cn
Feng Jinjun	Industry Committee Chair	fengjj@ieee.org
An Gaoyun	Chapter Coordination Committee Chair	an.gaoyun@gmail.com
Feng Jinjun	Proposal Committee Chair	fengjj@ieee.org

- Section Highlights
 - 1). Development of new members
 - 2). Sponsorship of international conferences
 - 3). Academic exchanges and communications
 - 4). Meeting of IEEE Director Howard E.Michel, R10 Director Ramakrishna Kappagantu, Beijing Section, Shandong Sub-Section and Guangzhou Sub-Section
- Major Events (International, National)
 - 1). Meeting of IEEE Director Howard E.Michel, R10 Director Ramakrishna Kappagantu, Beijing Section, Shandong Sub-Section and Guangzhou Sub-Section (Picture is attached)
 - 2). Totally 10 international conferences have been sponsored or co-sponsored by Beijing section, for examples:

2015 IEEE International Conference on Progress in Informatics and Computing	2015/12/18
2015 IEEE 6th International Symposium on Microwave, Antenna, Propagation, and EMC Technologies	2015/10/28
2015 IEEE International Conference on Communication Problem-Solving	2015/10/1
2015 IEEE International Conference on Computer and Communications	2015/10/10
2015 IEEE 9th International Conference on Anti-counterfeiting, Security, and Identification	2015/9/25
2015 IEEE 6th International Conference on Software Engineering and Service Science	2015/9/23
2015 IEEE 12th International Conference on Electronic Measurement & Instruments	2015/7/16

2015 Second IEEE International Conference on Spatial Data Mining and Geographical Knowledge Services	2015/7/8
2015 IEEE International Magnetism Conference	2015/5/11
2015 IEEE 16 th International Vacuum Electronics Conference	2015/4/27

- Major Chapter Activities

Meeting Title	Unit	Date
Modeling Objects, Concepts, Aesthetics, Emotions, and Artistic Styles using Visual Information	(section)	2015/11/23
Technical report of IEEE Fellow Mauro Barni	(section)	2015/8/28
Polarization Modeling and Methods for Cellular Communications	(section)	2015/4/22
Radar Adaptivity: Antenna Based Signal Processing Techniques	AES10	2015/10/12
MIMO Radar and Probing Waveform Synthesis	AES10	2015/8/19
Some new developments in optical metrology of particles	AES10	2015/5/13
Scattering of Electromagnetic Waves in Active and Passive Microwave Remote Sensing	AES10	2015/5/7
SAR Ocean Applications	AES10	2015/3/2
Invited talk given by Prof. Han	BT02	2015/7/10
Invited talk given by Dr. Ling Liu	BT02	2015/7/9
"Video Captioning: Bridging Video and Language" of Prof. Mei Tao	C16	2015/12/14
Technical report of Prof. Shiguang Shan	C16	2015/12/10
CASS Conference Leadership Workshop, and Energy Efficiency Optimization for Memory Applications in 28nm UTBB FDSOI and TFET Technologies	CAS04	2015/12/25
ISCAS 2016 and CAS China's participations	CAS04	2015/10/16
CAS China Annual Meeting, i.e., Forum on Future Media Technology	CAS04	2015/7/24
Image and Graphic Academic Workshop	CAS04 (GUANGZHOU)	2015/12/19
Conference Leadership Workshop in China - IEEE CAS Society	CAS04 (GUANGZHOU)	2015/12/17
Networking CASS Chapters in Asia-Pacific Countries	CAS04 (GUANGZHOU)	2015/11/29
The Sixth National Doctor Forum for Information Science	CAS04 (GUANGZHOU)	2015/8/20
Technical talk by IEEE Distinguished Lecture Witold Pedrycz from IEEE CIS Beijing Chapter	CIS11	2015/7/7
Technical talk by Professor Jiuyong Li from IEEE CIS Beijing Chapter	CIS11	2015/6/23
Technical talk and Salon by Haibo He from IEEE CIS Beijing Chapter	CIS11	2015/5/29
Technical talk by IEEE Distinguished Lecture Cesare Alippi from IEEE CIS Beijing Chapter	CIS11	2015/4/27

Adaptive Dynamic Fuzzy Rule Interpolation and Its Application in Smart Home Energy Management	CIS11 (XIAMEN)	2015/4/14
Cerebellar Model Neural Networks and their Applications on Control, Signal Processing, and Image Classification	CIS11 (XIAMEN)	2015/3/13
Big Data, Internet of Things and Smart House conception	COM19	2015/9/6
Advanced Packaging Technology Workshop	CPMT21	2015/12/1 2
Compact Modeling Beyond Device Physics	ED15	2015/7/22
Total ionizing dose (TID) in Flash memories	ED15	2015/7/22
electronic Transport and Device Applications of 2D Materials	ED15	2015/7/16
Accelerator design for sparse-represented machine learning on RRAM crossbar and CMOS THz on-chip communication	ED15	2015/7/7
The 7th Asia-Pacific conference on environmental electromagnetics	EMC27	2015/11/4
The 25th national electromagnetic compatibility conference	EMC27	2015/6/3
Basic theory, key technology and application of DC power network	PE31	2015/7/6
The 5th China International Smart Grid Construction Technology and Equipment Expo & Summit (CIGEE 2015)	PE31	2015/6/15
Development and Application of Modern Power Electronic Techniques	PE31 (GUANGZHOU)	2015/5/29
Current Situation and Prospect of Power System Electromagnetic Transient Digital Simulation Technology	PE31 (GUANGZHOU)	2015/5/13
Technical talk by Professor Kishor S. Trivedi	R07	2015/11/2 3
Technical talk by Professor Kjell Ahlin	R07	2015/9/23
Technical talk by Professor Elsayed A. Elsayed	R07	2015/7/23
Technical talk by Professor Elsayed A. Elsayed	R07	2015/7/21
Technical talk by Dr. Jie Liu	R07	2015/7/20
Technical talk by Professor Haitao Liao	R07	2015/7/3
Technical talk by Professor Tim Kelly	R07	2015/7/1
Technical talk by Professor Liudong Xing	R07	2015/6/3
Technical talk by Professor Enrico Zio	R07	2015/4/7
Lecture of Frank Schweitzer	R07	2015/3/25
The 20th National Symposium on Automation Technology	SMC28 (CAPITAL REGION)	2015/8/8
Technical Report of Prof. Ai Bo	SP01/IT12	2015/11/2 1
The IET 6th International Conference on Wireless, Mobile & Multimedia Networks	SP01/IT12	2015/11/2 0
IEEE SSCS Distinguished Lectures by Dr. Hideto Hidaka and Dr. Makoto Ikeda	SSC37	2015/11/1 2
CMOS IMAGE SENSORS: RECENT DEVELOPMENTS	SSC37	2015/9/6
IEEE SSCS Distinguished Lecture ON THE DESIGN OF CIRCUITS FOR FREQUENCY SYNTHESIZERS AT MM-WAVES IN ULTRA-SCALED CMOS	SSC37	2015/5/18

Software Defined Infrastructure including SDN and Cloud Computing	YOUNG PROFESSION ALS	2015/11/1 8
IEEE Introduction for IEEE BUPT Student Branch	YOUNG PROFESSION ALS	2015/10/2 7
Network Resilience for Massive Failures and Attacks	YOUNG PROFESSION ALS	2015/6/18

- Major Student and Affinity Group Activities
 - 1) Attend R1 SYW congress 2015
 - 2) Best websites selection amongst various branches within IEEE
 - 3) IEEE-BJTU “学霸表白(Xue Ba Biao Bai)” competition
- Awards
 - 1) Membership Development Incentive Grant for Beijing Section
 - 2) R10 AIYEHUM 2015 Entry awards of teams A064 and A067

A.2 Financial Report

- Summary (as per submitted L50)
As submitted in the NetSuite System
- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
7507
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

B.2 Chapter Activities

- Total number of Chapters in the Section
37
- Number of Chapters formed in the current year
7
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
18
- Summary of Chapter activities (Chapter wise with attachment table/information)
Refer to A.1 Major Chapter Activities

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

B.4 Students Activities

- Total number of Student Branches in the Section
24
- Number of Student Branches formed in the current year
7
- Section level student activities (student congress, paper and other contests, awards etc)
 - 1) Best websites selection amongst various branches within IEEE
 - 2) IEEE-BJTU “学霸表白(Xue Ba Biao Bai)” competition

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

B.5 Affinity Group Activities

- Young Professional (YP)

Software Defined Infrastructure including SDN and Cloud Computing	YOUNG PROFESSIONALS	2015/11/18
IEEE Introduction for IEEE BUPT Student Branch	YOUNG PROFESSIONALS	2015/10/27
Network Resilience for Massive Failures and Attacks	YOUNG PROFESSIONALS	2015/6/18

- Women In Engineering (WIE)
- Life Member

B.6 Awards & Recognition Activities

- Award constituted by the Section
- 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
 - 1) Membership Development Incentive Grant for Beijing Section
 - 2) R10 AIYEHUM 2015 Entry awards of teams A064 and A067

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 how often it is updated)
<http://cie-china.org/default.asp>, monthly
- Other means of contacts with Section members including social media

B.8 Industry Relations

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

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- SIGHT Activities
 - 1) R10 AIYEHUM 2015 Entry awards of teams A064 and A067

B.10 Community Activities

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

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
 - 1) Meeting of IEEE Director Howard E. Michel, R10 Director Ramakrishna Kappagantu, Beijing Section, Shandong Sub-Section and Guangzhou Sub-Section (Picture is attached)
- Funding secured from the IEEE and external sources including sponsorships

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.)

C.3 Collaboration with other IEEE Sections

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

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

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

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

PART D - GOALS AND PLANS

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

D.2 Goals and Future Plans

Our goal is to develop section members smoothly up to 10,000 in the near future 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.



Fig. 1 Meeting of IEEE Director Howard E.Michel, R10 Director Ramakrishna Kappagantu, Beijing Section, Shandong Sub-Section and Guangzhou Sub-Section