

IEEE Beijing Section Report 2017

PART A - SECTION SUMMARY

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

- 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 and national conferences

- 3). Academic exchanges and communications
- 4). Meeting with IEEE 2016 President and CEO: Barry Shoop
- 5). Meeting with IEEE 2016 Vice President for Technical Activities: Jose Moura and IEEE Past Vice President for Educational Activities: Tariq Durrani
- 6). Meeting with IEEE PES Jesscia
- 7). The first WIE SB was approved and IEEE WIE UCAS Student Branch Education Forum was successfully held
- 8). Prof. Dong Jing will serve in the position of 2017-2018 R10 Women In Engineering Coordinator and to the 2017-2018 R10 Executive Committee
- 9). New website & WeChat Official Accounts was online
- 10). Various activities were held by Student Branch

- Major Events (International, National)

- 1). Meeting with IEEE 2016 President and CEO: Barry Shoop
- 2). Meeting with IEEE 2016 Vice President for Technical Activities: Jose Moura and IEEE Past Vice President for Educational Activities: Tariq Durrani
- 3). Totally 20 international conferences have been sponsored or co-sponsored by Beijing section, for examples:

Meeting Title	Meeting Date
IEEE International Conference on Progress in Informatics and Computing	2016/12/23
IEEE International Conference on Progress in Informatics and Computing	2016/12/23
IEEE 9th UK-Europe-China Workshop on Millimetre Waves and Terahertz Technologies	2016/9/5
2016 IEEE INTERNATIONAL WHEELSET CONGRESS	2016/11/7
2016 IEEE Information Technology,Networking,Electronic and Automation Control Conference	2016/5/20
2016 IEEE Advanced Information Management, Communicates, Electronic and Automation Control Conference	2016/10/3
IEEE International Conference on Signal and Image Processing	2016/8/13
13th IEEE International Conference on Solid-State and Integrated Circuit Technology (ICSICT)	2016/10/25
2016 IEEE 7th International Conference on Software Engineering and Service Science	2016/8/26
2016 International Conference on Planarization/CMP Technology(ICPT)	2016/10/17
IEEE International Conference on Power and Renewable Energy	2016/10/21
IEEE International Conference of Online Analysis and Computing Science	2016/5/28
2016 IEEE International Conference on Network Infrastructure and Digital Content	2016/9/23

8th IEEE International Conference on Communication Software and Networks	2016/6/4
2016 First IEEE International Conference on Computer Communication and the Internet	2016/10/13
2016 IEEE International Conference on Big Data Analysis	2016/3/12
2016 IEEE Far East NDT New Technology & Application Forum	2016/6/22
4th IEEE International Conference on Cloud Computing and Intelligence Systems	2016/8/17
IEEE International Conference on Anti-Counterfeiting, Securing, and Identification	2016/9/23
Workshop in IEEE VTC2016-Spring	2016/5/15

- Major Chapter Activities

Meeting Title	Organizational Unit	Meeting Date
Diversity / resolution ü new perspectives for future radar design	AES10	2016/10/16 14:30
Big Data & Brain Science	AES10	2016/11/17 14:30
Theory and Application of Characteristic Modeling	AES10	2016/7/7 9:00
MIMO RADARS & CONVENTIONAL EQUIVALENTS	AES10	2016/10/14 8:30
Ultra Wide Band Surveillance Radar	AES10	2016/10/17 8:30
Non-Cooperative Target Recognition using radar: Dream, Theory and Practice	AES10	2016/10/14 8:00
Trends in Through Wall Radar Imaging	AES10	2016/10/14 14:30
Computing performance for large systems with Petri nets (without running out of memory)	C16	2016/12/29 10:00
Robust pattern recognition via information theory	C16	2016/12/26 14:00
IEEE CASS Beijing Chapter Meeting	CAS04	2016/12/11 18:00
IEEE CASS Workshop	CAS04	2016/9/28 10:00
Invited Talk:Machine Learning for Compressive Privacy of Big Data	CAS04	2016/6/29 10:00
2016 IEEE Forum on Future Media Technology	CAS04	2016/7/21 0:00

Goal-representation Adaptive Dynamic Programming	CAS04	2016/7/8 2:00
Machine Learning for Cognitive Analytics and Intelligent Applications	CAS04	2016/6/23 2:00
Machine Learning-Based Data Analysis for Gravitational Wave	CAS04	2016/4/19 1:00
The Construction of Intelligent model and In-Depth Research With Examples	CAS04	2016/4/15 23:00
Mining Gene Expressions using Domain Knowledge: Application to Gene Regulation and Evaluation	CAS04	2016/1/3 23:00
IEEE Distinguished Lecture üü Nano packaging: Nanotechnologies in Microelectronics Packaging	CPMT21	2016/11/19 9:00
IEEE Distinguished Lecture-Recent Advances and New Trends in Semiconductor Packaging	CPMT21	2016/1/9 9:30
From Energy-Smart Buildings to Our Ambition--Tsinghua University, Beijing, China	CS23	2016/5/19 10:00
Mini-workshop on networked control systems and their applications-- Tsinghua University, Beijing China	CS23	2016/5/13 9:00
When is a time-delay system stable and stabilizable?--IEEE Distinguished Lecture, from Jie Chen, The City University of Hongkong, China	CS23	2016/5/20 9:00
The 2016 Symposium on Emerging Frontiers in Systems and Control-- Tsinghua University, Beijing China	CS23	2016/5/27 9:00
Science, Technology and Industry in 21st Century	CS23	2016/1/25 3:00
Dr. Kehua Dai's Lecture: Lithium-ion battery reliability and failure mechanisms-using the soft X-ray spectrum of synchrotron light source at Berkeley Lab.	ED15 (GUANGZHOU)	2016/8/26 9:00
IEEE EDS DL by Dr. CHAI Yang-Two-Dimensional Layered Materials for Future Nanoelectronics - Transistor and Interconnect	ED15 (GUANGZHOU)	2016/5/24 9:00
The Energy and Variability Efficient Era (E.V.E) is ahead of us	ED15 (SHENZHEN)	2016/10/10 10:00
Arduino platform open design	ED15 (SHENZHEN)	2016/6/17 14:00

Prospect and Outlook of Electrostatic Discharge (ESD) Protection in Emerging Technologies	ED15 (SHENZHEN)	2016/3/6 14:00
IC Design and Manufacturing: Challenges, Opportunities, and Outlooks	ED15 (SHENZHEN)	2016/1/21 10:00
Superconductivity and Smart Grid Autumn Camp in Tianjin	EMB18 (TIANJIN)	2016/9/24 10:00
uperconductivity and Smart Grid Autumn Camp in Tianjin	EMB18 (TIANJIN)	2016/9/24 10:00
IEEE NCEPU Student Branch assisted the brother institutions in volunteer recruitments	IM09 (JT. BEIJING/HARBIN)	2016/6/1 8:00
IEEE NCEPU Student Branch assisted the brother institutions in volunteer recruitments	IM09 (JT. BEIJING/HARBIN)	2016/4/22 8:00
Branch Membersü Open Day	IM09 (JT. BEIJING/HARBIN)	2016/3/18 8:00
Academic BANANA Salon	IM09 (JT. BEIJING/HARBIN)	2016/3/24 14:00
the üGifted manü treasure hunting contest	IM09 (JT. BEIJING/HARBIN)	2016/5/7 8:00
IEEENCEPU branch visit China state key laboratory of electric institute	IM09 (JT. BEIJING/HARBIN)	2016/5/19 8:00
IEEE China Student Congress 2016	IM09 (JT. BEIJING/HARBIN)	2016/4/9 8:00
Optoelectronics Global Conference 2016	PHO36 (GUANGDONG)	2016/9/5 8:00
Introduction of photonic research in Singapore	PHO36 (GUANGDONG)	2016/4/18 10:00
Seminar on Optical Fiber Technology	PHO36 (GUANGDONG)	2016/4/18 15:00
Optical Fiber Technology	PHO36 (GUANGDONG)	2016/4/18 15:00
The Second Committee Meeting	PHO36 (GUANGDONG)	2016/3/1 15:00
Designing programmable network middleboxes	SP01/IT12	2016/11/24 10:00
Sequential Extreme Learning Machines for Class Imbalance and Concept Drift	SP01/IT12	2016/10/19 10:00
From flatland electrodynamics to molecular spectroscopy and neurotechnology with solid-state chips	SSC37	2016/9/28 10:00

Cognitive Radio Transceiver Chips by Prof. Eric Klumperink	SSC37	2016/3/3 10:00
From Connected Vehicles to Internet-of-Things (IoT): Recent Advances in Communications and Networking	YOUNG PROFESSIONALS	2016/7/14 15:00
A Journey on SDN, NFV, and Cloud	YOUNG PROFESSIONALS	2016/9/19 14:00

- Major Student and Affinity Group Activities
IEEE WIE UCAS Student Branch Education Forum was successfully held
- Awards

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

- 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.
7544
- 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
42
- Number of Chapters formed in the current year
6
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
13
- Summary of Chapter activities (Chapter wise with attachment table/information)

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
26
- Number of Student Branches formed in the current year
2
- Section level student activities (student congress, paper and other contests, awards etc)

Some of student activities are illustrated as:

道来——一场关于科技、人与社会新观点的聚会

2016-12-21 IEEE北京交通大学学生分会

“道来”是由IEEE BJTU全新推出的系列讲坛活动。
“道来”是一场关于科技、人与社会新观点的聚会。分享知识和思想，探索通往社会主义的成功学。
每一期“道来”讲坛，均由数位拥有独特思想的优秀学者、校外职场精英，立于舞台中央自由演讲，与众分享其关于科技前沿、职业发展、人文感悟等的非凡之观点与体验。

🕒 12月23日（周五）16:00-18:00
📍 学生活动中心三层小剧场

👉 嘉宾分享各自话题，每人15分钟
👉 嘉宾同台探讨“学术众筹”，听众参与互动

到场即可领取精美礼物，现场参与抽奖活动，更有神秘大礼等着您！12月23日，“道来”在现场等你！



微信扫一扫
关注公众账号

2016金秋，让我们相聚IEEEPKU~

2016-10-19 IEEEPKU

IEEEPKU招新啦!!!

👉 谁? IEEEPKU是什么? 好玩吗?

同学，看来国庆节你还没玩过嘛~
那你算是来对地方了，赶紧加入我们，和IEEEPKU的小伙伴们一起来体验不一样的酷炫玩法吧!

IEEEPKU

IEEE北京大学学生分会 (IEEEPKU) 是IEEE (美国电气和电子工程师协会) 与北京大学联合发起的学生组织。成立于2004年，是北京大学IEEE系授权合作伴项目在中国的第一成员学校。IEEEPKU是以研究生为主，小而精的科技社团，专注于科学、科技、科普推广。通过别具创意性和影响力的活动拉近同学与学术科研、科普的距离。




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关注公众账号



- 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)

From Connected Vehicles to Internet-of-Things (IoT): Recent Advances in Communications and Networking	YOUNG PROFESSIONALS	2016/7/14 15:00
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A Journey on SDN, NFV, and Cloud	YOUNG PROFESSIONALS	2016/9/19 14:00
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- Women In Engineering (WIE)

IEEE WIE UCAS Student Branch Education Forum was Successfully Held

The IEEE University of Chinese Academy of Sciences-Beijing Women in Engineering Student Branch Affinity Group (IEEE UCAS WIE Student Branch) was approved by IEEE WIE on August 26, 2016. This is the very first WIE SB in Mainland China. On the afternoon of October 17, 2016, IEEE UCAS WIE SB successfully held its first education forum in Beijing International Convention Center during the 21st International Conference on Digital Signal Processing (DSP2016) Launched by the Center for Research on Intelligent Perception and Computing (CRIPAC, CASIA).

This education forum was chaired by Ms Fei Liu, the Chair of IEEE UCAS WIE SB from CRIPAC. Dr. Paulina Chan and Prof. Supavadee Aramvith were invited to give their excellent talks about their career development and educational experiences in the view of female researchers. More than 30 researchers, professors and graduate students from different countries attended to the forum. Dr. Paulina Chan is Imperial College Ambassador and the Vice-Chair of Hong Kong Chapter Steering Committee, and Global Mutual Consortium. Prof. Supavadee Aramvith from Chulalongkorn University is focusing on Communication Engineering, Electrical Engineering and Telecommunications Engineering and now serving as the Educational Activities Coordinator of IEEE R10. All of the attendees are enjoyed in this form and discussed a lot to share their experiences.



- 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

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)
- New website & WeChat Official Accounts was online:



- 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

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
- 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.)

C3. 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.**D.4. Business Plan for Sustainable Growth and Financial Stability.**