

2017 IEEE Kansai Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary

A.1-1 Section Executive Committee Member List (2017)

Section Officers:

Chair:	Miki Yamamoto (Kansai University)
Vice-Chair:	Takashi Mizuochi (Mitsubishi Electric Corporation)
Secretary:	Yasutaka Takeda (Mitsubishi Electric Corporation)
Treasurer:	Oka Seiji (Mitsubishi Electric Corporation)

Standing Committee Chairs:

Membership Development Committee Chair:	Masahiro Fukui (Ritsumeikan University)
Nominations Committee Chair:	Hisao Ishibuchi (Osaka Prefecture University)
Student Activities Committee Chair:	Arata Kawamura (Osaka University)
Technical Program Committee Chair:	Shinji Tanabe (Mitsubishi Electric Corporation)
Awards Committee Chair:	Tatsuhiko Tsuchiya (Osaka University)
Chapter Operations Committee Chair:	Yoshinobu Kajikawa (Kansai University)

Affinity Group Chairs:

Life Members Affinity Group Chair:	Masatsugu Kidode (ex Nara Institute of Science and Technology)
WIE (Women in Engineering) Affinity Group Chair:	Shoko Araki (Nippon Telegraph and Telephone Corporation)
YP (Young Professionals) Affinity Group Chair:	Takeshi Kumaki (Ritsumeikan University)

Past Officers/ Past Committee Chairs:

Past Chair:	Hironori Yamauchi (Ritsumeikan University)
Past Vice-Chair:	Mototaka Taneya (Sharp Corporation)
Past Secretary:	Nobuyuki Takamori (Sharp Corporation)
Past Treasurer:	Hiroshi Kawamura (Sharp Corporation)
Past NC Chair:	Toshiharu Sugie (Kyoto University)

A.1-2 Section Highlights

The IEEE Kansai Section was established in November 1998. As of January, 2017, it comprises of 2,222 members (see B-1).

In 2017, we had five executive committee meetings, an annual section meeting and five technical meetings.

In 2017, we supported the HESTELCON 2017 in Kansai with great successes. We focused on connecting local electronics industries in Kansai area with students, researchers in universities/institutes and professionals and engineers in enterprises.

We endeavored to expand and enhance activities focusing on young people. Activities of LMAG, WIE, and YP are also activated. For example, two students were dispatched to ANZSCON 2017 held in Sydney in August. English presentation tournament was organized by SB, and brainstorming tournament was organized jointly by SB and LMAG. We also assisted participation in Nagoya MAW and worked with other sections.

A.1-5 Major Student and Affinity Group Activities

- On October 16, 2017, at Ritsumeikan University Biwako-Kusatsu Campus held the “English Presentation Competition” was held by the Student Branches
- The first MDC, SAC and YP joint workshop was held to discuss action plans on June 1, 2017.
- The second MDC, SAC and YP joint workshop was held to discuss promotion of IEEE on November 29, 2017.
- WIE Affinity Group held the 4th WIE symposium at Osaka Institute of Technology Umeda Campus on October 7, 2017, which garnered 42 participants (14 were non-IEEE members). The symposium consisted of three invited talks and one workshop session. This workshop was co-hosted by YP AG.
- Life Members Affinity Group (LMAG) held the following two technical meetings with on-site tours, (1) at Disaster Prevention Research Institute, Kyoto University in Uji-shi on June 6, 2017 with 14 participants (2) at the National Diet Library Kansai in Kyoto on November 22, 2017 with 14 participants.

A.1-6 Awards

- The Kansai Section Student Paper Awards were presented to 9 recipients in 2017.
- The Kansai Section Young Professional Award was presented to 2 recipient in 2017.
- The Kansai Section medals were presented to 10 newly elevated senior members in 2017.

A.2 Financial Report

The section's finances are in good condition as shown below.

Receipt	(JPY)	
#IEEE Entities	1,652,302	
•Section Rebate	1,586,954	\$14,405.9 (Chapter Rebate & Bonus: \$ 3,310、 AG Rebate&Bonus: \$ 810)
▲Chapter Rebate Payments	▲ 364,630	(\$ 200X13)X1.1+ \$ 75X6= \$ 3,310
▲Affinity Group Rebate Payments	▲ 89,230	(\$ 200X3)X1.1+ \$ 75X2= \$ 810
•SB Rebate	84,117	\$744.00
▲SB Rebate Payments	▲ 84,117	
•Section Rebate Subtotal	1,133,095	
•Section Assessment	4,042,443	Previous term : \$36,454.54
	92,061	Late term : \$815.71
▲Japan Council Contribution	▲ 3,638,199	Previous term : 90%JC
	▲ 82,855	Late term : 90%JC
•Section Assesment Subtotal	413,450	
•WIE Support from R10	27,843	\$250 (R10 WIE Support Fund)
	44,264	\$400 (R10 WIE Support Fund)
•Other Income from R10	33,651	\$300 (Annual Election Volting Percentage Incentive(2nd))
#Section Support from Japan Council	0	
#Others	500,000	
•Histelcon Loan Repayment	500,000	Repayment of 2016 loan amount
#Surplus (brought forward)	2,974,711	Domestic account : ¥810,367 CB account : \$20,577.08
Total	5,127,013	

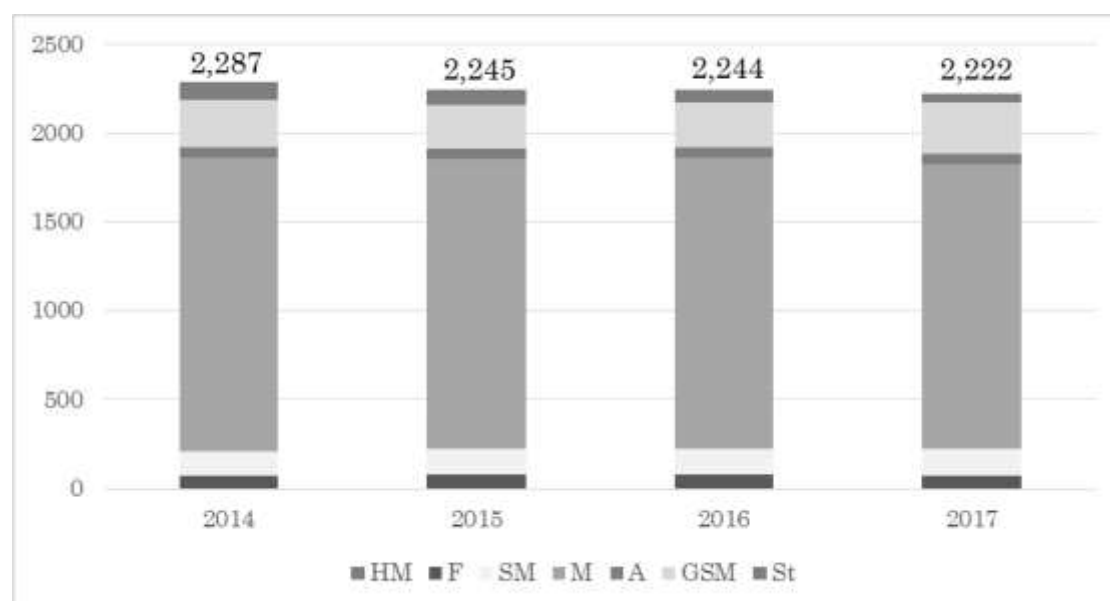
Expenses	(JPY)	
# Meetings, Awards & Suport	2,197,599	
Kansai Section Activate Support	312,232	ANZSCON travel expenses supor, etc
Annual Meeting	415,463	Room charge, banquet expenses, etc
▲Annual Meeting Banquet Participation Fe	▲ 185,000	5,000 JPY x 39 people
Technical Meeting	211,373	96th,97th,98th : Lecture reward 100th memorial meeting : Room charge
Exective Committee Meeting	75,096	Room charge , etc 5meetings
Committee Meeting	154,350	MDC/SAC/YP joint meeting x 2
YP Award, Student Paper Awards	359,078	YP Awrd: 1 Medal Student Paper Awards: 11 Awards
Student Branch Support	392,046	SB Leaders Meetings. Brainstorming Comptition. English Presentation Competition
LMAG Support	96,297	Technical meetings with on-site tours
WIE Support	216,664	Kansai WIE Symposium
Section Congress, ANZCON support	150,000	ANZSCON travel expenses suport
#Others	15,798	
Charges for remittance, Transfer fee, etc	15,798	
#Surplus	2,913,616	Domestic account : ¥1,594,762 CB account : \$13,149.42
Total	5,127,013	

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

The member statistics by grade in the section at the end of December, 2017 are as follows:

Grade	Grade Code	Number
Honorary Member	H	1
Fellow	F	73
Senior Member	SM	151
Member	M	1,602
Associate Member	AM	62
Graduate Student Member	GSM	285
Student Member	StM	48
Total		2,222



The Membership Development Committee has actively pursued the following projects to increase the number of IEEE members in the Kansai Section in corporation with Student Activities Committee.

1. MDC organized two MDC, SAC and YP joint workshops on June 1, 2017 and November 29, 2017 to advertise and share the benefits of IEEE membership and to make a smooth transition for students from student membership to standard membership when graduated.
2. MDC periodically reviewed the membership statistics in major organizations (companies and research institutes) and shared them with the MDC members who are from those organizations.
3. MDC is continuously supporting the scheme to increase the number of Senior Members in the Kansai Section. Those IEEE members who wish to be a senior member can contact MDC and get quick and precise assistances. The application instructions for Senior Member grade on the section's website were revised and became more informative, resulting in the number of newly elevated senior members in our section in a year became ten.
4. To advertise IEEE membership, posters, leaflets and ball point pens with IEEE logos were presented at local technical meetings and workshops.
5. Email to promote renewal was sent to all IEEE members in Kansai Section.
6. The IEEE Kansai Section Medal is presented to new Senior Members. The medal is designed with a portrait of Gennai Hiraga, who was a multi-talented person, especially known as writer and inventor in Edo era, and assembled Japan's first electrostatic generator (called Elekiter), which used the power of friction to generate electricity. We will present the medals to ten new Senior Members at the annual section meeting on February 28, 2018.

B.2 Chapter Activities

- Total number of Chapters in the Section is now 13 including 4 joint chapters.
- The number of Chapters has not increased this year.
- All 13 Chapters had activities in this year.
- Summary of Chapter activities (Chapter wise with attachment table/information)

Organizational Unit	Meeting Title	Meeting Date	Number of Attendees
SP01	Conference on signal processing, engineering acoustics, and speech	2017/3/1	109
SP01	Seminar	2017/3/29	29
SP01	Seminar	2017/4/24	18
SP01	International Conference on Biometrics and Kansei Engineering	2017/9/15	46
SP01	Seminar by DL	2017/9/22	20
SP01	Seminar	2017/11/22	15
AP03	Special Talk	2017/1/19	
AP03	IEEE AP-S Kansai Joint Chapter Best Presentation Award Ceremony	2017/1/21	
AP03	Officers Meeting	2017/1/21	
AP03	Special Talk	2017/4/20	
AP03	Tutorial Workshop	2017/9/9	69
AP03	IEEE AP-S Kansai chapter and MTT-S Kansai Chapter Young Engineer Technical Meeting	2017/12/9	
CAS04	2017 Taiwan and Japan Conference on Circuits and Systems	2017/8/21-23	
CAS04	Technical Lecture	2017/11/24	
CAS04	Technical Lecture	2017/12/1	
CE08	CE Society BoG Mtg.	2017/1/8	10
CE08	2017 1st IEEE CE-08 West Japan Chapter 1st Officers' meeting	2017/1/20	3
CE08	2017 1st IEEE CE-08 West Japan Chapter Research Meeting	2017/1/20	16
CE08	6th IEEE Global Conference on Consumer Electronics	2017/10/24	430
CE08	2017 1st IEEE CE-08 West Japan Chapter 2nd Officers' meeting	2017/10/24	3
CE08	2017 1st IEEE CE-08 West Japan Chapter 3rd Officers' meeting	2017/11/14	3
CE08	2017 TRON Symposium	2017/12/13	350
IE13	Joint Technical Meeting	2017/1/27	123
IE13	217th Technical Meeting	2017/4/22	84
IE13	Distinguished Lecture	2017/5/9	44
IE13	218th Technical Meeting	2017/7/8	81
IE13	219th Technical Meeting	2017/9/23	64
IE13	220th Technical Meeting	2017/11/11	67
IE13	Joint Technical Meeting	2017/12/14	54
IE13	221st Technical Meeting	2017/12/23	174
ED15	16th Kansai Colloquium, Electron Devices Workshop	2017/1/30	
ED15	The 2017 International Meeting for Future of Electron Devices, Kansai	2017/6/29	
ED15	Technical Lecture meeting	2017/10/3	
C16	AI to Cognitive Computing	2017/6/19	92
C16	The latest technology surrounding a Spacecraft Workshops on R&D and international	2017/12/21	24
MTT17	standardization on wireless technologies for railway systems	2017/1/21	57

MTT17	Workshops on substrate and material technology for high speed high frequency signals	2017/4/22	69
MTT17	The 10th Kansai Microwave Meeting for Young Engineers	2017/7/1	59
MTT17	Kansai chapter 10th anniversary Workshops on Future of Energy with Microwave Technology	2017/9/2	89
MTT17	Workshops on micro wave and millimeter wave photonics	2017/11/19	33
MTT17	IEEE AP-S Kansai chapter and MTT-S Kansai Chapter Young Engineer Technical Meeting	2017/12/9	81
COM19	Distinguished Lecture	2017/6/30	11
COM19	Distinguished Lecture	2017/7/28	12
COM19	Distinguished Lecture	2017/8/3	11
COM19	Student Workshop	2017/10/26	15
CS23	SICE Kansai - ISCIE workshop for young researchers	2017/1/13	104
CS23	SICE Multi Symposium on Control Systems 2017 (MSCS2017)	2017/5/6	510
CS23	Seminar	2017/5/17	30
CS23	Seminar	2017/6/7	16
CS23	ISCIE - SICE tutorial lecture	2017/7/14	39
CS23	The 49th Stochastic Systems Symposium	2017/11/3	70
CS23	ISCIE seminar	2017/11/9	26
CS23	The 60th Joint Conference on Automatic Control	2017/11/10	670
MAG33	The 3rd Kansai Shikoku Magnetics Symposium	2017/6/24	30
MAG33	Distinguished Lecture	2017/8/3	50
MAG33	Distinguished Lecture	2017/9/25	31
PHO36	IEEE Photonics Society Kansai Chapter Special Seminar	2017/1/18	70
PHO36	IEEE Photonics Society Kansai Chapter Special Seminar	2017/9/29	80
PHO36	PS Kansai Chapter 3rd Presentation School for International Conferences on Photonics	2017/9/30	29
PHO36	Pre-Conference of ISLC2018	2017/12/15	100
SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2017/12/29	8
SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2017/12/4	15
SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2017/10/6	25
SSC37	The 7th International Conference on Integrated Circuits, Design, and Verification	2017/10/5	62
SSC37	VDEC D2T Symposium	2017/9/28	181
SSC37	Integrated Circuits and Systems Seminar	2017/9/7	58
SSC37	VDEC Designer's Forum 2017	2017/9/4	34
SSC37	Integrated Circuits and Systems Seminar	2017/8/28	16
SSC37	VLSI Summer School	2017/8/25	111
SSC37	Integrated Circuits and Devices Seminar	2017/7/31	126
SSC37	IEEE SSCS Japan/Kansai Chapter Technical Seminar	2017/6/15	67
SSC37	IEEE SSCS Japan/Kansai Chapter Technical Seminar	2017/6/15	67
SSC37	VDEC Refresh Seminar	2017/6/12	84
SSC37	JSPS 165th Committee on Ultra Integrated Silicon Systems, Friday Forum	2017/6/9	248
SSC37	LSI and Systems Workshop	2017/5/15	347
SSC37	Integrated Circuits and Systems Seminar	2017/4/10	64
SSC37	International Nano Device Technology Workshop 2017	2017/3/2	100
SSC37	Integrated Circuits and Devices Seminar	2017/3/2	81
SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2017/2/17	41
SSC37	Integrated Circuits and Devices Seminar	2017/1/30	49

B.3 Professional and Continuing Education Activities

The section organized the following five technical meetings.

1.

Lecturers: Prof. Hiromi Tanaka (Ritsumeikan University)
 Titles: Visio-Haptic Information Processing of Deformable Objects and Applications
 Date: April 28, 2017
 Place: Ritsumeikan University, Umeda Campus (Osaka City, Osaka, Japan)

2.

Lecturer: Prof. Mitsunori Hatayama
 (Disaster Prevention Research Institute, Kyoto University)
 Titles: Utilization of ICT/RT for disaster response
 Date: June 22, 2017
 Place: Disaster Prevention Research Institute, Kyoto University
 (Uji City, Kyoto, Japan)

3.

Lecturers: Prof. Masahiro Yamaguchi (School of Engineering, Tohoku University)
 Titles: High Frequency Magnetic Device Progress and Application to IC-Chip-Level
 Noise Reduction
 Date: September 5, 2017
 Place: Ritsumeikan University, Umeda Campus (Osaka City, Osaka, Japan)

4.

Lecturer: Ms. Nobuaki Honda (National Diet Library Kansai)
 Title: Efforts towards long-term preservation of electronic information at the National
 Diet Library
 Date: November 22, 2017
 Place: National Diet Library Kansai (Seika-machi Sagara-gun , Kyoto, Japan)

5.

Lecturers: Emeritus Prof. Makoto Nagao (Kyoto University)
 Titles: History of Artificial Intelligence and My Research
 Date: December 16, 2017
 Place: Kansai University Umeda Campus (Osaka City, Osaka, Japan)

B.4 Students Activities

- The Kansai Section has seven student branches: Osaka University, Kyoto University, Ritsumeikan University, NAIST (Nara Institute of Science and Technology), University of Hyogo, Kansai University, and Doshisha University.
- The Kansai Section tried to form a new student branch, but we could not form new student branches.
- Those seven student branches are all active.
- The chairs of the student branches held SB Chair Meeting on May 26, 2017, where they reported their activities and discuss action plans.
- The Student Activities Committee (SAC) organized two MDC, SAC and YP joint workshop on June 1, 2017 and November 29, 2017 to support young and women members.
- The SAC founded the Kansai Section Student Paper Awards to encourage student members of the Kansai Section in their research activities of presenting excellent papers at IEEE international conferences and in IEEE Transactions. In cooperation with the Awards Committee, we selected nine award recipients in 2017.
- The Student Branch of Ritsumeikan University held its annual English Presentation Competition at Biwako-Kusatsu Campus on October 20, 2017.
- As a networking activity, Kansai Section Student Branches exchange meeting was held on July 9, 2017 at Kyoto University.
- At the 100th Technical Lecture, each SB reported its activity status and tried to widely publicize.

B.5 Affinity Group Activities

B.5-1 Young Professional Affinity Group

- SYWL joint workshop @ IEEE Japan Sections' 60th Anniversary Celebration (March 3, 2017 at Chiba Institute of Technology) .
- The first MDC, SAC and YP joint workshop was held to discuss action plans on June 1, 2017.
- The second YP meeting was held to check and discuss action plans on November 29, 2017.
- Japan SYWL Workshop in Nagoya 2017 (October 8, 2017 at Chukyo University Nagoya Campus).
- YP co-hosted the 4th WIE Symposium on October 7, 2017.
- YP essay contest (result announced on November 9, 2017).

B.5-2 WIE Affinity Group

- WIE Affinity Group held the 4th WIE symposium at Osaka Institute of Technology Umeda Campus on October 7, 2017 with 42 participants. The symposium consisted of three invited talks. This workshop was co-hosted by YP AG.
- On June 6, 2017, WIE joined Women in Circuits Networking Luncheon (IEEE SSCS Organized by Women in Circuits (WiC) 2018 Symposia on VLSI Technology and Circuits) .
- On October 8, 2017, Poster presentation at 10/8 Metro Area Workshop (MAW) in Nagoya 2017
- WIE joined in the IEEE Japan SYWL Workshop Nagoya 2017.
- WIE co-sponsored the 9th Career Development Essay Contest for Young Professionals and Women Engineers.
- WIE had five officers meetings in 2017 for discussing our action plans and for preparing the WIE symposium.

B.5-3 Life Members Affinity Group

- LMAG had 6 officers meetings in 2017 to discuss action plans.
- In corporation with TPC, LMAG held the following two technical meetings with on-site tours, namely, (1) at Disaster Prevention Research Institute, Kyoto University, Kyoto Prefecture on June 22, 2017 with 15 participants and (2) at National Diet Library Kansai, Kyoto Prefecture on November 22, 2017 with 13 participants.
- LMAG issued "Kansai-LMAG Newsletter" in June and November by email and on the Kansai Section WEB. Through these activities, LMAG has developed up-to-date LMAG members' network. The new officers in 2017 were announced in September issue.
- The new activity plan called "LMAG Salon" was realized. More frequent and frank discussion is expected.
- In September, LMAG participated in a brainstorming lecture and practical event sponsored by SB as the first attempt, and cooperated as a lecturer

B.6 Awards & Recognition Activities

- The Kansai Section Student Paper Awards were presented to 9 recipients in 2017.
- The Kansai Section Young Professional Award was presented to 2 recipient in 2017.
- The Kansai Section medals were presented to 10 newly elevated senior members in 2017.

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

- We updated the Kansai Section Home Page more than once a month. They announced section annual meeting and Young Professionals and student awards announcements and results and new officers and new executive committee member candidates as well as summaries and announcements of the past and upcoming technical meetings.
<http://www.ieee-jp.org/section/kansai/>
- We also actively used Mailing List for timely announcements of upcoming events.

B.8 Industry Relations

- 22 members decreased.
- MDC is continuously supporting the scheme to increase the number of Senior Members in the Kansai Section. Those IEEE members who wish to be a senior member can contact MDC and get quick and precise assistances. The application instructions for Senior Member grade on the section's website were revised and became more informative, resulting in the number of newly elevated senior members in our section in a year became ten.
- WIE Affinity Group held the WIE Symposium, to support women engineers in the Kansai area.
- In 2017, one young researcher in industry was awarded Young Professional Award.

B.9 Humanitarian Technology Activities**B.10 Community Activities**

PART C - OTHERS

C.1 Special Events

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

- Kansai-section Joint Convention of Institutes of Electrical Engineering
 Organizer(s): The Institute of Electrical Engineers of Japan,
 The Institute of Electronics, Information and Communication Engineers,
 The Institute of Image Information and Television Engineers,
 The Institute of Electrical Installation Engineers of Japan
 Dates: November 25-26, 2017
 Place: Kindai University Higashi-Osaka Campus
- The 4th Electronic Device Forum Kyoto
 Organizer(s): Nippon Electronic Device Industry Association (NEDIA)
 Dates: November 1-2, 2017
 Place: Kyoto Industrial Science and Technology Innovation Center, Kyoto
 Research Park
- 2017 Annual Conference of Electronics, Information and Systems Society, I.E.E. of Japan
 Organizer(s): The Institute of Systems, Control and Information Engineers
 Dates: November 9, 2017
 Place: Kyoto Terrsa East-D

C3. Collaboration with other IEEE Sections

- Ten members joined Nagoya MAW held on October 7-8, 2017 and collaborated with members of the Nagoya Section. Kansai LMAG members supported the establishment of Nagoya LMAG, which started on the same day as Nagoya MAW.
- Two Student Branch members participated in ANZSCON 2017 held on August 10-11. This Congress has a lot of opportunities to interact with students and YPs from various countries, and they have been useful experience for revitalizing future SB activities.
- WIE Symposium held on October 7, 2017 was collaborated with WIE of Japan Council. MD Chair of Japan Council was attended.

C.4 Support extended to Sub-sections & Society Chapters within the 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-1-1 Executive Meetings

We will have five executive committee meetings this year. We already had one executive committee meetings in January.

D-1-2 Membership Development Committee

The members in MDC will try to increase memberships in their respective organizations.

D-1-3 Nominations Committee

The NC will nominate Fellow upgrade candidates.

D-1-4 Student Activities Committee

The SAC will try to open new student branches in the Kansai Section. The SAC is also planning some technical and social events for students in the Kansai Section.

D-1-5 Awards Committee

The AC will conduct the selection process for the IEEE Kansai Section Young Professionals Awards and IEEE Kansai Section Student Paper Awards.

D-1-6 Chapter Operations Committee

The COC will promote cooperation between chapters and will work to establish new chapters and extend existing chapters into joint chapters in the Kansai Section.

D-1-7 Technical Program Committee

The TPC will plan and hold five technical meetings.

D-1-8 Affinity Groups

- **Life Members Affinity Group**

LMAG holds several lecture meetings (including local lectures) in cooperation with TPC, WIE, etc. of the Kansai branch. Actively cooperate with YP, SB and WIE with M3G (Multi-Generation, Gender and Genre) as the guiding principle. We will issue "Kansai-LMAG Newsletter" by email and on the Kansai Section WEB.

- **WIE Affinity Group**

In 2018, WIE AG celebrates its 5th anniversary.

- Recruit members who agree with WIE activities, and strengthen the management system.
- To hold symposiums to support women researchers and engineers.
- Promote WIE activities in Kansai, in collaboration with Student Branch, YP, LMAG, JC WIE, other activities related to women's support of academic societies and others.

- **YP Affinity Group**

The YP AG will plan events and meetings aiming at encouraging young researchers and engineers to communicate and exchange useful information in corporation with Kansai TPC and Kansai LMAG/WIE.

D-1-9 Chapters

Each chapter will hold various events including technical meetings, workshops and conferences.

D.2 Goals and Future Plans

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.

Photographs



WIE Symposium



Student Paper Awards