

# Kansai Section Report Format

## **PART A - SECTION SUMMARY**

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

#### **A.1-1 Section Executive Committee Member List (2019) 2019**

##### Section Officers:

Chair:	Toshiharu Sugie (Kyoto University)
Vice-Chair:	Nobuo Umeda (Kansai Electric Power Company)
Secretary:	Kazutoshi Nishimura (Kansai Electric Power Company)
Treasurer:	Shunji Ono (K4 Digital)

##### Standing Committee Chairs:

Membership Development Committee Chair:	Takashi Sato (Kyoto University)
Nominations Committee Chair:	Yutaka Hata (University of Hyogo)
Student Activities Committee Chair:	Yohei Fukumizu (Ritsumeikan University)
Technical Program Committee Chair:	Takanobu Nishiura (Ritsumeikan University)
Awards Committee Chair:	Fumihiko Ino (Osaka University)
Chapter Operations Committee Chair:	Hideki Tode (Osaka Prefecture University)

##### Affinity Group Chairs:

Life Members Affinity Group Chair:	Yukihiro Nakamura (Kyoto University)
WIE (Women in Engineering) Affinity Group Chair:	Etsuko Ueda (Osaka Institute of Technology)
YP (Young Professionals) Affinity Group Chair:	Akinori Ihara (Wakayama University)

##### Past Officers/ Past Committee Chairs:

Past Chair:	Miki Yamamoto (Kansai University)
Past MDC Chair:	Masahiro Fukui (Ritsumeikan University)
Past SAC Chair:	Arata Kawamura (Osaka University)
Past TPC Chair:	Shinji Tanabe (Mitsubishi Electric Corporation)
Past AC Chair:	Tatsuhiko Tsuchiya (Osaka University)
Past COC Chair:	Yoshinobu Kajikawa (Kansai University)

#### **A.1-2 Section Highlights**

The IEEE Kansai Section was established in November 1998. As of December, 2019, it comprises of 2,231 members (see B-1).

In 2019, we had five executive committee meetings, an annual section meeting and four technical meetings.

The award ceremony of 2018 Supporting Friend Award of IEEE MGA was held on February 22, 2019. The ceremony honored the achievements of six companies who have contributed for the operation of the Kansai Section. We focused on connecting local electronics industries in Kansai area with students, researchers in universities/institutes and professionals and engineers in enterprises.



- On October 15, 2019, at Senri Life Science Center, CES West Japan Joint Chapter organized IEEE 8<sup>th</sup> Global Conference on Consumer Electronics. The number of participants was 551 people.
- On December 7, 2019, at Kansai University AP-03 Kansai Joint Chapter and MTT-S Kansai Chapter organized “IEEE AP-S Kansai chapter and MTT-S Kansai Chapter Young Engineer Technical Meeting”. The number of participants was 97 people.

### A.1-5 Major Student and Affinity Group Activities

- On October 11, 2019, at Ritsumeikan University Biwako-Kusatsu Campus “English Presentation Competition” was held by the Student Branches
- The first MDC, SAC and YP joint workshop was held to discuss action plans on May 17, 2019.
- The second MDC, SAC and YP joint workshop was held to discuss promotion of IEEE on December 16, 2019.
- WIE Affinity Group held the WIE symposium 2019 at Osaka Institute of Technology Umeda Campus on September 28, 2019, which garnered 41 participants (25 were non-IEEE members). The symposium consisted of six invited talks and two workshop sessions.
- Life Members Affinity Group (LMAG) held the following three technical meetings with on-site tours.

### A.1-6 Awards

- The Kansai Section Student Paper Awards were presented to 7 recipients in 2019.
- The Kansai Section Young Professional Award was presented to 2 recipient in 2019.
- The Kansai Section medals were presented to 20 newly elevated senior members in 2019.

## A.2 Financial Report

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

Income		(JPY)	
IEEE	Entity	1,887,478	
	• Section Rebate	1,442,952	Section Rebate \$13,071.75 Affinity Group Rebate \$220
	• Chapter Rebate Payments	▲ 338,934	( \$ 200X13)X1.1+ \$ 75X6= \$ 3,310
	• Affinity Group Rebate Payments	▲ 23,654	
	• SB Rebate	54,063	\$ 498
	• SB Rebate Payments	▲ 54,366	
Section Rebate Subtotal		1,080,061	
	• Section Assessment 2019	4,049,213	First term: \$36,611.59 Second term: \$482.00
	• Japan Council 抛入金+手数料	▲ 3,438,489	85% of Section Assessment
Section Assesment Subtotal		607,382	
AG Fund		0	
		162,840	R10 Section Incentives for 2018 Activities \$1,500
		37,195	Interest of CB Bank account \$331.69
Other expense		200,035	
Section Support from Japan Council		455,062	
Section support (SB)		164,459	
Section support (WIE)		93,183	
Section support (Friend Award)		100,000	
Section support (Prizes for Encouragement)		97,420	Prizes for Student paper award. Etc..
Subtotal		2,342,540	
Surplus Carried Forward		3,466,508	Domestic account: ¥1,778,717.- CB account: \$5,665.91
Total		5,809,049	

Expense

(JPY)

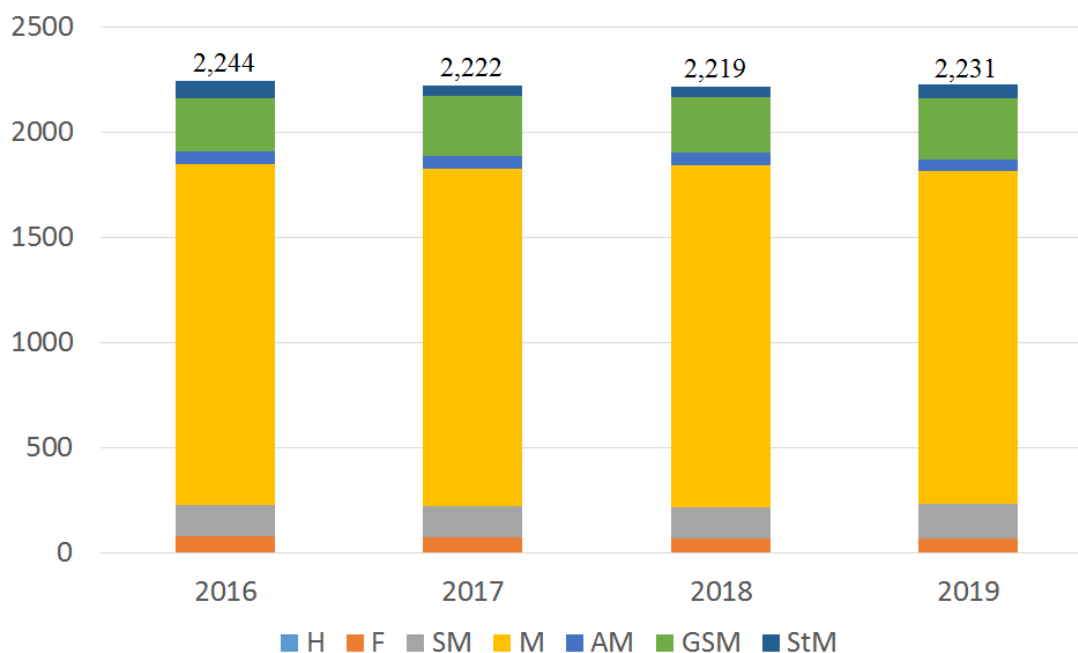
Meetings, Awards and Support	2,153,952	
Activation of Kansai Section	524,052	
Annual Meeting	575,526	Room Charge, Banquet expenses, etc..
Annual Meeting Banquet Participation Fee	▲ 136,000	4,000JPY×34 people
Awarding Ceremony (Friend Award)	0	
Technical Meeting	100,000	106th-110th: Lecture reward
Executive Committee Meeting	215,804	Room Charge etc..
Committee Meeting	131,638	MDC&SAC&YP Joint WS LMAG/SB/SAC Joint WS
YP Award, Student Paper Awards	260,320	Student Paper Awards
Student Branch Support	221,733	SB Chair Meeting, Research Exchange Meeting, English Presentation Competition
LMAG Support	56,644	Technical Meeting
WIE Support	204,235	WIE Symposium, WIE/YP joint WS
YP Support	0	
Others	36,028	
Subtotal	2,189,980	
Surplus	3,619,069	Domestic Account: 1,257,960 JPY CB Account: \$21,749.35
Total	5,809,049	

## **PART B - ORGANIZATIONAL ACTIVITIES**

### **B.1 Membership Development Activities**

The member statistics by grade in the section at the end of December, 2019 are as follows:

Grade	Grade Code	Number
Honorary Member	H	1
Fellow	F	68
Senior Member	SM	164
Member	M	1,586
Associate Member	AM	52
Graduate Student Member	GSM	291
Student Member	StM	69
Total		<b>2,231</b>



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

1. MDC organized two MDC, SAC and YP joint workshops on May 17, 2019 and December 16, 2019 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. NC organized seminar for senior member promotion on September. The number of participants was 22 people.
7. 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 20 new Senior Members at the annual section meeting on February 27, 2020.

## 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	Seminar	2019/7/11	27
SP01	Seminar by Distinguished Industry Speaker	2019/8/8	27
SP01	Seminar by Distinguished Lecturer	2019/10/9	16

SP01	Seminar by Distinguished Industry Speaker	2019/11/15	21
SP01	Seminar	2019/12/12	29
SP01	Seminar	2019/12/19	47
AP03	Seminar	2019/2/22	41
AP03	Seminar	2019/5/16	26
AP03	Tutorial Workshop	2019/8/31	23
AP03	Seminar	2019/10/17	61
AP03	IEEE AP-S Kansai chapter and MTT-S Kansai Chapter Young Engineer Technical Meeting	2019/12/7	97
CAS04	Chapter Annual Meeting	2019/2/21	5
CAS04	Seminar	2019/6/7	23
CAS04	Seminar	2019/7/10	78
CAS04	Chapter Annual Meeting	2019/7/10	2
CAS04	Seminar	2019/11/22	30
CE08	2019 IEEE CE-08 West Japan Chapter 1st Officers' meeting	2019/3/11	3
CE08	1st Global Conference on Life Sciences and Technologies (LifeTech2019)	2019/3/12	160
CE08	2019 IEEE CE-08 West Japan Chapter 2nd Officers' meeting	2019/7/13	6
CE08	8th IEEE Global Conference on Consumer Electronics	2019/10/15	551
CE08	2019 IEEE CE-08 West Japan Chapter 3rd Officers' meeting	2019/10/15	6
CE08	2019 IEEE CE-08 West Japan Chapter 4th Officers' meeting	2019/11/15	3
CE08	2019 TRON Symposium	2019/12/11	100
IE13	Joint Technical Meeting	2019/1/25	221
IE13	Administrative Meeting	2019/4/13	3
IE13	227nd Technical Meeting	2019/4/13	75
IE13	228rd Technical Meeting	2019/6/29	49
IE13	229th Technical Meeting	2019/8/3	32
IE13	230th Technical Meeting	2019/10/26	60
IE13	231th Technical Meeting	2019/12/21	119
IE13	Administrative Meeting	2017/12/21	4
ED15	Seminar	2019/1/11	41
ED15	18th Kansai Colloquium, Electron Devices Workshop	2019/1/24	22
ED15	Distinguished lecture	2019/5/20	20
ED15	Seminar	2019/9/24	23
ED15	17th International Meeting for Future of Electron Devices, Kansai	2019/11/14	67
C16	Seminar	2019/7/22	51
C16	Seminar	2019/12/12	21
MTT17	2019 MTTTS Kansai Chapter 1st Administrative Meeting	2019/1/26	9
MTT17	2019 MTTTS Kansai Chapter 2nd Administrative Meeting	2019/3/17	11
MTT17	MTTTS Kansai Chapter Technical Workshop	2019/3/17	54
MTT17	The 12th Kansai Microwave Meeting for Young Engineers	2019/6/22	55

MTT17	2019 MTTS Kansai Chapter 3rd Administrative Meeting	2019/9/10	12
MTT17	MTTS Kansai Chapter Technical Workshop	2019/9/14	67
MTT17	Distinguished Microwave Lecturer's Talk and Technical Workshop	2019/11/8	31
MTT17	2019 MTTS Kansai Chapter 4th Administrative Meeting	2019/11/23	6
MTT17	MTTS Kansai Chapter Technical Workshop	2019/11/23	38
MTT17	2019 MTTS Kansai Chapter 5th Administrative Meeting	2019/12/7	7
MTT17	IEEE AP-S Kansai Chapter and MTT-S Kansai Chapter Young Engineer Technical Meeting	2019/12/7	97
COM19	Technical lecture	2019/6/10	7
COM19	Technical lecture	2019/6/17	8
COM19	Technical lecture	2019/6/20	8
COM19	Distinguished lecture	2019/7/22	13
COM19	Distinguished lecture	2019/7/26	6
COM19	Distinguished lecture	2019/11/21	11
CS23	SICE Kansai - ISCIE workshop for young researchers	2019/1/21	105
CS23	Seminar	2019/2/21	17
CS23	SICE Multi Symposium on Control Systems 2019	2019/3/6	518
CS23	1st Officer's meeting	2019/3/6	3
CS23	ISCIE - SICE tutorial lecture	2019/8/8	31
CS23	2nd Officer's meeting	2019/9/12	3
CS23	The 51th ISCIE International Symposium on Stochastic	2019/11/1	39
CS23	The 62th Joint Conference on Automatic Control	2019/11/8	556
CS23	ISCIE Seminar	2019/11/15	24
MAG33	IEEE Kansai/Shikoku Joint Sections Magnetics Society Chapter Lecture	2019/3/6	35
MAG33	IEEE Kansai/Shikoku Joint Sections Magnetics Society Chapter Lecture	2019/3/18	16
MAG33	IEEE Kansai/Shikoku Joint Sections Magnetics Society Chapter Lecture	2019/5/24	18
MAG33	IEEE Kansai/Shikoku Joint Sections Magnetics Society Chapter Lecture	2019/6/18	24
MAG33	Chapter meeting	2019/7/5	8
MAG33	Workshop	2019/11/15	65
MAG33	Chapter meeting	2019/11/22	8
MAG33	The 5th Kansai Shikoku Magnetics Symposium	2019/11/30	31
MAG33	Magnetics Symposium : Kansai/Shikoku Joint Sections Chapter	2019/12/5	61
PHO36	IEEE Photonics Society Kansai Chapter Special Seminar	2019/1/17	82
PHO36	IEICE_LQE LSJ Joint Meeting	2019/5/30	128
PHO36	IEICE LQE/OPE/CPM/R/EMD Joint Meeting	2019/8/22	106
PHO36	KIT Electronics System Engineering Symposium	2019/10/16	96
PHO36	PS Kansai Chapter 5th Presentation School for International Conferences on Photonics	2019/11/9	22
PHO36	Next generation wireless communication technologies and photonics	2019/11/23	38
PHO36	IEICE OPE/LQE/PICS Joint Meeting	2019/12/5	256

SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2019/3/4	87
SSC37	LSI and Systems Workshop 2019	2019/5/13	400
SSC37	IEEE SSCS Technical Seminar	2019/6/7	25
SSC37	IEEE SSCS Technical Seminar	2019/6/14	23
SSC37	IEEE SSCS Technical Seminar	2019/6/18	57
SSC37	IEEE SSCS Technical Seminar	2019/7/5	36
SSC37	IEEE SSCS Technical Seminar	2019/7/29	42
SSC37	IEEE SSCS Technical Seminar	2019/8/22	9
SSC37	IEEE SSCS Technical Seminar	2019/12/17	15
SSC37	Officer meeting	2019/3/15	2
SSC37	Officer meeting	2019/6/18	3
SSC37	Officer meeting	2019/7/5	5
SSC37	Officer meeting	2019/11/22	8

### B.3 Professional and Continuing Education Activities

The section organized the following 4 technical meetings.

1.

Lecturers: Prof. Masatoshi KUBO (National Museum of Ethnology)  
Titles: Between Informatics and Ethnology  
Date: April 13, 2019,  
Place: Senri Expo Park (Suita City, Osaka, Japan)

2.

Lecturer1: Prof. Tetsutaro UEHARA (Ritsumeikan University)  
Titles1: A Guide on blockchain: What's new? Is it innovative?  
Lecturer2: Prof. Naoyuki IWASHITA (Kyoto University)  
Titles2: Fintech, crypto-assets, and future of finance  
Date: June 3, 2019  
Place: Ritsumeikan University, Suzaku campus (Kyoto City, Kyoto, Japan)

3.

Lecturers: Prof. Shigeyuki Okuda (Marine Technical College)  
Titles: Nautical Information Fusion Toward Resilient Navigation - In case of Marine  
RADAR and GNSS (AIS) -  
Date: September 10, 2019  
Place: Marine Technical College (Ashiya City, Hyogo, Japan)

4.

Lecturer: Prof. Noboru Masuda (Osaka Prefecture University)  
Title: Possibility of various developments of artificial light type plant factories in cities from  
the viewpoint of landscape  
Date: December 20, 2019  
Place: Osaka Prefecture University, Nakamozu campus (Sakai 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 27, 2018, where they reported their activities and discuss action plans.
- The Student Activities Committee (SAC) organized two MDC, SAC and YP joint workshop on May 17, 2018 and December 16, 2019 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 five award recipients in 2019.
- The Student Branch of Ritsumeikan University held its annual English Presentation Competition at Biwako-Kusatsu Campus on October 11, 2019.
- As a joint project between SB and LMAG, a brainstorming tournament was held at Ritsumeikan University Ibaraki Campus on November 24, 2019.

## **B.5 Affinity Group Activities**

### **B.5-1 Young Professional Affinity Group**

- The first MDC, SAC and YP joint workshop was held to discuss action plans on May 17, 2019.
- The second MDC, SAC and YP joint workshop was held to discuss action plans on December 16, 2019.
- YP co-hosted the WIE Symposium 2019 on September 28, 2019.
- YP held a meeting to discuss doctoral careers at Ritsumeikan University Ibaraki Campus.

### **B.5-2 WIE Affinity Group**

- WIE Affinity Group held the WIE symposium 2019 at Osaka Institute of Technology Umeda Campus on September 28, 2019 with 41 participants. The symposium consisted of six invited talks and two workshop sessions.
- WIE had four officers meetings in 2019 for discussing our action plans and for preparing the WIE symposium.
- WIE co-hosted the IEEE Japan SYWL Workshop in Sendai on October 25, 2019.
- WIE co-hosted the the 11th IEEE Career Building Essay Contest.

### **B.5-3 Life Members Affinity Group**

- LMAG had 2 officers meetings in 2019 to discuss action plans.
- LMAG held the following three technical meetings with on-site tours, namely, (1) at Senri Expo Park, Osaka Prefecture on April 13, 2019, (2) at Marine Technical College, Hyogo Prefecture on September 10, 2019 and (3) at Osaka Prefecture University, Nakamoto campus, Osaka Prefecture on December 20, 2019.
- LMAG issued "Kansai-LMAG Newsletter" in December by email and on the Kansai Section WEB. Through these activities, LMAG has developed up-to-date LMAG members' network.
- LMAG participated in annual English Presentation Competition on October 11, 2019 sponsored by SB, and "LMAG Kansai Award" were presented to 2 students.
- LMAG participated in the Metropolitan Area Workshop in Sendai and in the Sendai LMAG commemorative symposium on October 24-25, 2019.

## **B.6 Awards & Recognition Activities**

- The Kansai Section Student Paper Awards were presented to 7 recipients in 2019.
- The Kansai Section Young Professional Award was presented to 2 recipient in 2019.
- The Kansai Section medals were presented to 20 newly elevated senior members in 2019.

## **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.

<https://www.ieee-jp.org/section/kansai/>

- We also actively used Mailing List for timely announcements of upcoming events.

### **B.8 Industry Relations**

- 12 members increased.
- 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.

### **B.9 Humanitarian Technology Activities**

N/A

### **B.10 Community Activities**

N/A

## **PART C - OTHERS**

### **C.1 Special Events**

N/A

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

- The 6th Electronic Device Forum Kyoto  
Organizer(s): Nippon Electronic Device Industry Association (NEDIA)  
Dates: October 31-November 1, 2019  
Place: Kyoto Industrial Science and Technology Innovation Center, Kyoto Research Park
- 2019 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 31- December 1, 2019  
Place: Osaka City University, Sugimoto Campus

### **C.3 Collaboration with other IEEE Sections**

- A SB member, a LMAG member and two WIE members participated in Japan SYWL Workshop 2019 held on October 24-25. This Workshop has a lot of opportunities to interact with students and YPs from various Sections, and they have been useful experience for revitalizing future SYWL activities.

### **C.4 Support extended to Sub-sections & Society Chapters within the Section**

N/A

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

N/A

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

N/A

**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 six 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 2020, WIE AG celebrates its 7th anniversary.

- Make a brochure introducing the activities of Kansai WIE.
- 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**

N/A

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

N/A

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

N/A

**Photographs**



WIE Symposium



Supporting Friend Awards