

Kansai Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary

A.1-1 Section Executive Committee Member List (2020)

Section Officers:

Chair:	Toshiharu Sugie (Kyoto University)
Vice-Chair:	Nobuo Umeda (Kansai Electric Power Company)
Secretary:	Kazutoshi Nishimura (Kansai Transmission and Distribution)
Treasurer:	Naoya Hashimoto (Kansai Electric Power Company)

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, 2020, it comprises 2,155 members (see B.1).

In 2020, Kansai Section had six Executive Committee Meetings, an Annual Section Meeting and three Technical Meetings sponsored by TPC, Kansai Section.

A ceremony for 2020 Contributor Award of IEEE Kansai Section was held on February 27th, 2020. The ceremony honored the accomplishment of two members who have significantly contributed the operation of the Kansai Section for years (see Photographs).

We endeavored to expand and enhance activities focusing on young people. Activities of LMAG, WIE, and YP are also activated. For example, a talk event on “Doctors’ Carrier” jointly hosted by

- A total of more than 70 events such as seminars, technical lecture meetings etc. were held by Chapters or jointly hosted by Chapters with other organizations, and more than 3,500 people participated in total (B.2).
- Notable events that a lot of attendees participated in are as follows.
- On March 10th-12th, 2020, at Mierparque Kyoto, “IEEE LifeTech2020.” The number of participants was 190.
- On October 13th-16th, 2020, at Kobe International Conference Center, “IEEE 9th Global Conference on Consumer Electronics (GCCE2020).” The number of participants was 430.
- On May 11th, 2020, by on-line web conference, “LSI and Systems Workshop.” The number of participants was 376.
- On September 17th, by on-line web conference, “D2T Symposium.” The number of participants was 189.

A.1-5 Major Student and Affinity Group Activities

- “English Presentation Competition” co-sponsored by LMAG and YP was postponed due to COVID-19 infection spread and held on-line on January 9th, 2021.
- “MDC, SAC and YP Joint Workshops” were held twice on June and December, 2020 to support YP members and women members.
- “Student Branch Chair Meeting” was held on-line within SB Chairs on June 6th, 2020. Activities of first half, 2020 were reviewed, and networking among SB Chairs was promoted.
- WIE Affinity Group held WIE symposium 2020 on-line on September 26, 2020, the number of attendees of which was 41. The symposium consisted of three invited talks by female researchers and group talk session by using the break-out rooms of the web meeting system (see Photographs).
- Life Members Affinity Group (LMAG) gave up holding technical meetings due to COVID-19 infection spread. Instead, it held Joint LMAG Administrative Meeting with JC, Nagoya Section, and Sendai Section members resulting in fruitful information sharing under COVID-19 situation.

A.1-6 Awards

- Kansai Section Student Paper Awards were presented to 9 recipients in 2020.
- Kansai Section Young Professional Award was presented to 2 recipients in 2020.
- Kansai Section medals were presented to 19 newly elevated senior members in 2020.

A.2 Financial Report

Kansai Section’s finances are in good condition as shown below. However, since the surplus carried forward was considerably higher than we had expected due to COVID-19 infection spread, Kansai Section now considers more Section Activation Events, including newly planned EA activities, in 2021.

Income

(JPY)

IEEE Headquarters		1,930,193	Remarks
	• Section Rebate	1,525,388	Section Rebate \$ 14,357.95 (106.24 JPY/USD) (including Chapter Rebate&Bonus: \$ 3,535 and AG Rebate&Bonus: \$ 885)
	• Chapter Rebate Payments	▲ 375,561	(\$ 200X13)X1.1+ \$ 75X9= \$ 3,535
	• Affinity Group Rebate Payments	▲ 62,682	
	• SB Rebate	127,500	\$1,200.00 (106.25 JPY/USD)
	• SB Rebate Payments	▲ 127,502	
	• Section Rebate Subtotal	1,087,143	
	• Section Assessment 2020	3,925,049	First half \$ 36,445.89 : 105.87JPY/USD Second half \$ 638.05:104.26JPY/USD
	• Japan Council Payments	▲ 3,336,292	85% of Section Assessment + Bank Transfer Fee
	• Section Assesment Subtotal	588,757	
	• LMAG Fund	0	
	• WIE Fund	0	
	• YP Fund	0	
	• AG Fund Subtotal	0	
		223,839	R10 Section Incentives for 2019 Activities \$2,050 (109.19JPY/USD)
		7,622	2019 Senior Member Initiative Rebate \$ 70 (108.89JPY/USD)
		22,832	Interest of CB Account and Domestic MUFJ Bank Account
	• Other Expense	254,293	
Section Support from Japan Council		53,925	
	• Section Support (SB)	21,705	
	• Section Support (WIE)	32,220	
	• Section Support (Awards related)	0	
Subtotal		1,984,118	
Surplus Carried Forward		3,619,069	Domestic MUFJ Account: ¥1,257,960.- CB Account: \$21,749.35 (TTB:108.56)
Total		5,603,187	

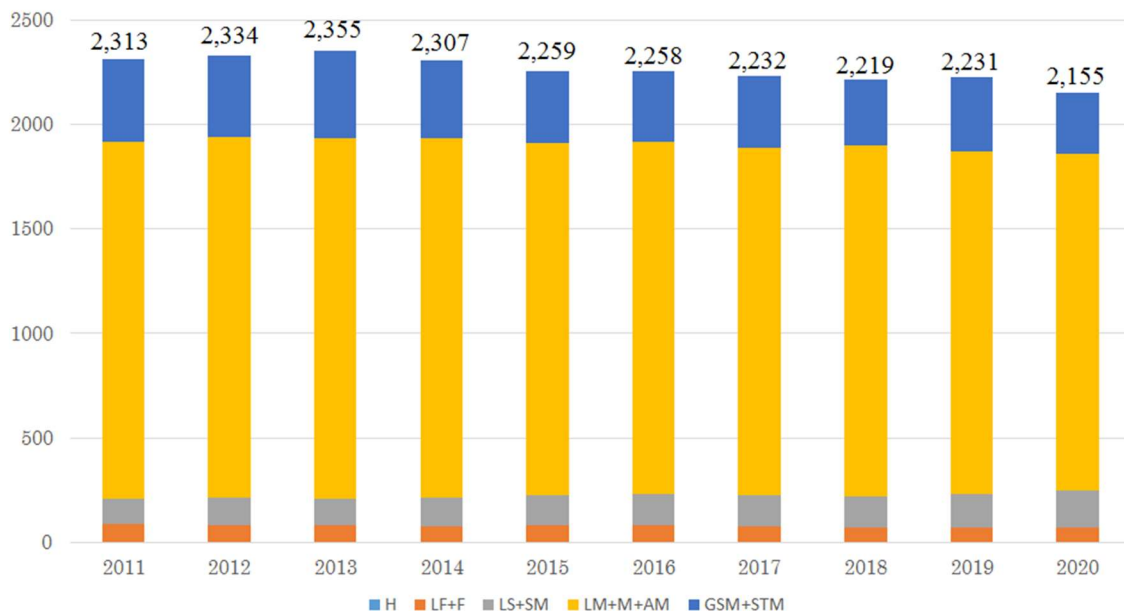
Expense	(JPY)	
Meetings, Awards and Support	961,803	Remarks
Activation Activities of Kansai Section	106,200	YP and NC Events
Annual Meeting	319,247	Room Charges, Awards, Supplies, etc.
Annual Meeting Banquet Participation Fee	0	Banquet cancelled due to COVID-19 Infection spread
Technical Meeting (TPC)	60,000	110th - 111st: Gratitude for Lecturers
Executive Committee Meetings	56,153	Room Charges, Cancellation, Supplies, etc.
Committee Meetings	0	No expense with all meetings held on-line
YP Awards, Student Paper Awards, Kansai Medal Awards, etc.	304,141	Awards, Certificate, Medals, Postage, etc.
Student Branch Support	0	No expense with all meetings held on-line
LMAG Support	40,000	Expense for English sentence correction and instruction for News Letter issuing, etc.
WIE Support	76,062	WIE Symposium, etc.
Others	14,500	
Carriage expense	14,500	Kansai Section's equipment and materials
Charge for Services	12,485	
Bank Transfer Fee	12,485	
Subtotal	988,788	
Surplus Carried Forward	4,614,399	
Total	5,603,187	

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

The member statistics by grade in the section at the end of December, 2020 are as follows:

Grade	Grade Code	Number
Honorary Member	H	1
Fellow	F	70
Senior Member	SM	175
Member	M	1,568
Associate Member	AM	45
Graduate Student Member	GSM	241
Student Member	StM	55
Total		2,155



The Membership Development Committee (MDC) has actively pursued the following activities to increase the number of IEEE members in the Kansai Section in corporation with Nomination Committee (NC).

1. MDC organized two MDC, SAC and YP joint workshops on-line on June 17th, 2020 and December 14th, 2020 to advertise and share the benefits of IEEE membership. The workshops also aimed to make a smooth transition for Student Members from student membership to standard membership on their graduation, to encourage promotion from standard membership to senior membership, and to increase the number of Student Members especially among graduate students.
2. MDC is continuously supporting the scheme to increase the number of Senior Members in Kansai Section. Those who wish to be Senior Members can contact MDC and get quick and precise assistances. The application instructions for Senior Member grade were revised on Kansai Section website and became more informative, resulting in the number of newly promoted Senior Members in Kansai Section in 2020 remaining double digits.
3. Emails to promote membership renewal were sent to all IEEE members in Kansai Section in May and October in order to encourage and remind them of membership renewal on time.

4. NC organized a seminar for senior member promotion on November 21st, 2020. The number of participants was 8 people.
5. The IEEE Kansai Section Medals were presented to new Senior Members. The medal is designed with a portrait of Gennai Hiraga, who was a multi-talented person and is especially well-known as a writer and inventor in Edo era when he assembled Japan's first electrostatic generator (called Elekiter), which used the power of friction to generate electricity. We will present the medals to 19 new Senior Members at 2021 Annual Section Meeting on February 18, 2021.

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 is as follows.

Organizational Unit	Meeting Title	Meeting Date	Number of Attendees
SP01	Seminar by Distinguished Industry Speaker	2020/11/27	43
SP01	Seminar by Distinguished Lecturer	2020/12/10	28
SP01	Lecture	2020/12/17	51
SP01	52th SSS (SSS '20)	2020/10/29-30	-
SP01	35th Signal Processing Symposium	2020/11/4-6	-
AP03	IEEE AP-S Kansai Joint Chapter Lecture	2020/1/23	-
AP03	IEEE AP-S Kansai Joint Chapter Lecture	2020/2/10	24
AP03	IEEE AP-S Kansai Joint Chapter Lecture	2020/8/21	-
AP03	IEEE AP-S Kansai Joint Chapter Lecture	2020/11/26	-
AP03	Joint Young Members Technical Networking Meeting	2020/12/12	-
AP03	IEICE WPT Meeting	2020/9/16	-
CAS04	63th Automated Control Joint Meeting	2020/11/21-22	-
CT08	IEEE LifeTech2020	2020/3/10-12	190
CT08	IEEE 9th Global Conference on Consumer Electronics (GCCE 2020)	2020/10/13-16	430
CT08	2020 TRON Symposium	2020/12/9-11	100
CT08	Chapter Administrative Meeting	2020/3/9	3
CT08	Chapter Administrative Meeting	2020/7/11	2
CT08	Chapter Administrative Meeting	2020/10/14	6
IE13	Joint Lecture Event	2020/1/24-25	100
IE13	IEE-SPC Joint Meeting	2020/1/24-25	100
IE13	JIFE 234th Technical Meeting	2020/8/29	22
IE13	JIFE 235th Technical Meeting	2020/10/24	45
IE13	JIFE 236th Technical Meeting	2020/12/19	100
IE13	Smart Energy Seminar	2020/1/30	170
IE13	Smart Energy Seminar	2020/12/10	40
IE13	Chapter Administrative Meeting	2020/8/27	2
IE13	Chapter Administrative Meeting	2020/12/19	3

ED15	Technical Meeting on Topological Quantum Computing	2020/1/28	21
ED15	20th Kansai Colloquium, Electron Devices Workshop	2020/11/27	83
ED15	18th International Meeting for Future of Electron Devices, Kansai (IMFEDK 2020) Satellite Event	2020/11/27	83
ED15	2nd Round Table Workshop on Electron Devices	2020/12/10	11
C16	LSI and Systems Workshop	2020/5/11	-
C16	Technical Meeting	2020/8/28	92
C16	Joint Technical Forum	2020/12/18	-
MTT17	Quantum Technology and Microwave Workshop	2020/10/24	68
MTT17	13th Microwave English Presentation Meeting	2020/10/31	61
MTT17	Joint Young Members' Technical Networking Meeting	2020/12/12	89
MTT17	Chapter Administrative Meeting	2020/1/11	11
MTT17	Chapter Administrative Meeting	2020/3/14	10
MTT17	Chapter Administrative Meeting	2020/6/13	15
MTT17	Chapter Administrative Meeting	2020/8/29	14
MTT17	Chapter Administrative Meeting	2020/11/14	13
MTT17	Chapter Administrative Meeting	2020/12/5	10
COM19	Technical Lecture	2020/10/28	22
COM19	Chapter Administrative Meeting	2020/10/28	4
CS23	SICE-CTRL 7th Multi Symposium	2020/3/2-5	-
CS23	52nd ISCIE International Symposium on Stochastic Systems Theory and its Applications	2020/10/29-30	-
CS23	63th Automated Control Joint Conference	2020/11/21-22	-
CS23	ISCIE Seminar 2020	2020/12/3	-
CS23	Chapter Administrative Meeting	2020/2/25	4
CS23	Chapter Administrative Meeting	2020/11/21	4
MAG33	IEEE Kansai/Shikoku Joint Sections Magnetism Society Chapter Lecture	2020/10/21	58
MAG33	IEEE Kansai/Shikoku Joint Sections Magnetism Society Chapter Lecture	2020/10/22	45
MAG33	MRIS 2020 Webinar	2020/12/3	12
MAG33	Chapter Administrative Meeting	2020/8/28	6
PHO36	IEEE Photonics Society Kansai Chapter Special Seminar	2020/1/30	35
PHO36	IEEE Photonics Society Kansai Chapter English Presentation Meeting	2020/11/7	30
PHO36	IEICE OPE/LQE/PICS Joint Meeting	2020/11/20	208
PHO36	Chapter Administrative Meeting	2020/6	4
PHO36	Chapter Administrative Meeting	2020/7	4
PHO36	Chapter Administrative Meeting	2020/8	4
PHO36	Chapter Administrative Meeting	2020/9	4
PHO36	Chapter Administrative Meeting	2020/10	4
PHO36	Chapter Administrative Meeting	2020/11	4
SSC37	LSI and Systems Workshop 2020	2020/5/11	376
SSC37	d.lab-VDEC Educational Seminar	2020/7/6-8	126
SSC37	IEICE IDC Summer Camp 2020	2020/7/25-26	34
SSC37	IEICE IDC Meeting	2020/8/6-7	44
SSC37	IEICE IDC Meeting	2020/9/3	45

SSC37	D2T Symposium	2020/9/17	189
SSC37	d.lab-VDEC Designer's Forum 2020	2020/9/25-26	38
SSC37	IEEE SSCS Technical Seminar	2020/12/11	81

B.3 Professional and Continuing Education Activities

Kansai Section organized the following 3 technical meetings hosted by TPC.

1.

Lecturer: Prof. Keisuke FUJII (Osaka University)
 Title: Quantum Computers, Current State and Future Possibilities
 Date: January 31, 2020,
 Place: Campus Plaza Kyoto (Kyoto City, Kyoto, Japan)
 Participants: 20

2.

Lecturer: Mr. Hiroaki ASANO (Panasonic)
 Title: Activities on 5G and its Application
 Date: September 11, 2020
 Place: On-line (WebEX)
 Participants: 76

3.

Lecturers: Dr. Takashi MIZUOCHI (Mitsubishi Electric)
 Titles: R&D and Innovation in Contingency Increasing Incoming Age
 Date: December 4, 2020
 Place: On-line (WebEX)
 Participants: 21

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.
- Those seven Student Branches are all active.
- Chairs of the Student Branches held SB Chair Meeting on-line on June 6th, 2020, where they reported their activities in first half of 2020 and discussed future action plans.
- Student Activities Committee (SAC) organized two MDC, SAC and YP joint workshop on June 17, 2020 and December 14, 2020 to support young and women members.
- Cross-Student Branches' Research and Networking Session, which was established in 2016, was sponsored by Kyoto University and held on-line on September 7th, 2020. Presentation was made by each SB.
- SAC had founded Kansai Section Student Paper Awards to encourage student members in the Section to promote their research activities of presenting excellent papers at IEEE international conferences and in IEEE Transactions. In cooperation with the Awards Committee (AC), Kansai Section awarded nine students in 2020.
- Annual English Presentation Competition jointly sponsored by Student Branch of Ritsumeikan University, LMAG and YP was postponed due to COVID-19 infection spread, and was held on-line on January 9, 2021.
- Brain storming tournament, which is a joint project between SB and LMAG, was abandoned in 2020 due to COVID-19 infection spread.

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 June 17th, 2020.
- The second MDC, SAC and YP Joint Workshop was held to discuss action plans on December 14th, 2020.
- YP co-hosted WIE Symposium 2020 and held it on-line on September 26th, 2020.
- YP sponsored and held an event to discuss “Doctors’ Career” on-line on September 27th, 2020.

B.5-2 WIE Affinity Group

- WIE Affinity Group held WIE symposium 2020 on-line on September 26th, 2020 with 41 participants. The symposium consisted of three invited talks and a group talk sessions by using “Zoom Break-out Room” function.
- WIE held seven officers’ meetings in 2020 for discussing the management framework and for preparing and reviewing the 2020 WIE symposium.
- WIE co-hosted the IEEE Japan SYWL Workshop held in Hiroshima and on-line on October 17th, 2020.
- WIE co-hosted the IEEE Tokyo/Shin-etsu Joint Section WIE Kick-off event held on December 5th.

B.5-3 Life Members Affinity Group

- LMAG held 4 officers’ meetings in 2020 to discuss action plans, especially on “Educational Activities” in response to the request from IEEE Headquarter and Japan Council.
- LMAG originally planned three technical meetings as in the past years, but finally couldn’t help abandoning them due to COVID-19 infection spread..
- LMAG issued, in English, "Kansai-LMAG Newsletter" in December, 2020.
- LMAG participated on-line in R10 SYWL 2020 Virtual Congress in late September, 2020.
- LMAG participated on-line in Memorial Symposium for 10th Anniversary of LMAG-Tokyo Foundation on October 8th, 2020.
- LMAG participated on-line in MAW held in Hiroshima on October 16th and 17th, 2020.

B.6 Awards & Recognition Activities

- Kansai Section Student Paper Awards were presented to 9 recipients in 2020.
- Kansai Section Young Professional Award was presented to 2 recipient in 2020.
- Kansai Section medals were presented to 19 newly elevated senior members in 2020.

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

- Kansai Section updated the Kansai Section Home Page more than once a month. It announced Section Annual Meeting, Young Professionals and Student Awards announcements, new Section and Units’ officers, and new Executive Committee members and candidates, as well as summaries and announcements of the past and upcoming technical meetings.
<https://www.ieee-jp.org/section/kansai/>
- Kansai Section also actively used Mailing List (eNotice) for timely announcements and sharing information of upcoming events.

B.8 Industry Relations

- Kansai Section has considered and discussed holding an activation event for increasing industrial members, for example publicizing IEEE Milestone case examples in Kansai Section. As a result, the first event is planned and will be organized in autumn, 2021.
- MDC is continuously supporting the scheme to increase the number of Senior Members in Kansai Section. Industry members who wish to be a senior member can contact MDC and get quick and precise assistances. The instructions on the Section’s website for Senior Member promotion application were revised and became more informative, resulting in the number of newly promoted Senior Members in Kansai Section in 2020 remaining double digits.

- WIE Affinity Group held the WIE Symposium, one of the objectives of which is to support women engineers in Kansai industry 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 52nd ISCIE International Symposium on Stochastic Theory and its Applications
 Organizer(s): The Institute of Systems, Control and Information Engineers
 Dates: October 29-30, 2020
 Place: Osaka University Convention Center
- MRIS 2020
 Organizer(s): The Institute of Electronics, Information and Communication Engineers,
 Dates: December 3, 2020
 Place: On-line

C3. Collaboration with other IEEE Sections

- An LMAG member and a WIE member participated on-line in MAW 2020 and Japan SYWL Workshop 2020 held on October 16-17. These meetings provide Kansai Section members with a lot of opportunities to interact with members from various Sections, and they had fruitful and useful experience for revitalizing future collaboration activities among Sections.

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

Kansai Section will have five executive committee meetings in 2021. We already had one executive committee meetings in January.

D-1-2 Membership Development Committee

The members in MDC will try to increase members and promote memberships in the Section in collaboration with SAC, YP and NC.

D-1-3 Nominations Committee

NC will nominate Fellow upgrade candidates, as well as Senior Member candidates in collaboration with MDC.

D-1-4 Student Activities Committee

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

D-1-5 Awards Committee

AC will continue to conduct the selection process for IEEE Kansai Section Young Professionals Awards and IEEE Kansai Section Student Paper Awards. AC also publicize those awards to Section members and try to promote the application to them in collaboration with SAC

D-1-6 Chapter Operations Committee

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

D-1-7 Technical Program Committee

TPC plans to hold five technical meetings in 2020.

D-1-8 Affinity Groups

- **Life Members Affinity Group**

LMAG will hold several lecture meetings (including local lectures) in cooperation with TPC, WIE, etc. of Kansai Section.

LMAG will actively contribute to various activities in Kansai Section by utilizing on-line event in collaboration with YP, SB and WIE.

LMAG will issue “Kansai-LMAG Newsletter” to call for members’ participation in LMAG activities.

- **WIE Affinity Group**

In 2021, WIE AG celebrates its 8th anniversary.

WIE AG will make a brochure introducing the activities of Kansai WIE and recruit members who agree with WIE activities, and strengthen the management system.

WIE will hold symposiums to support women researchers and engineers.

WIE will promote its activities in Kansai, in collaboration with SB, YP, LMAG, JC WIE, and other organizations related to women's support of academic societies and others.

- **YP Affinity Group**

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, thus promote networking and carrier enhancement among young researchers and engineers.

D-1-9 Chapters

Each chapter will hold individually and/or jointly with other organizations 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 2020



Ceremony for 2020 Contributor Award