

# 2016 IEEE Kansai Section Report

## PART A - SECTION SUMMARY

### A.1 Executive Summary

#### A.1-1 Section Executive Committee Member List (2016-2017)

2016

##### Section Officers:

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

##### Standing Committee Chairs:

Membership Development Committee Chair:  
 Masahiro Fukui (Ritsumeikan University)  
 Nominations Committee Chair:  
 Toshiharu Sugie (Kyoto University)  
 Student Activities Committee Chair:  
 Arata Kawamura (Osaka University)  
 Technical Program Committee Chair:  
 Jun Cheng (Doshisha University)  
 Awards Committee Chair:  
 Tatsuhiko Tsuchiya (Osaka University)  
 Chapter Operations Committee Chair:  
 Yoshinobu Kajikawa (Kansai University)

##### Affinity Group Chairs:

Life Members Affinity Group Chair:  
 Masahiro Hashimoto (ex Osaka Electro-Communication University)  
 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:  
 Hidetoshi Onodera (Kyoto University)  
 Past Vice-Chair:  
 Naonori Ueda (Nippon Telegraph and Telephone Corporation)  
 Past Secretary:  
 Takeshi Yamada (Nippon Telegraph and Telephone Corporation)  
 Past Treasurer:  
 Takayuki Suyama (Advanced Telecommunications Research Institute International)  
 Past MDC Chair:  
 Takeshi Ogura (Ritsumeikan University)  
 Past TPC Chair:  
 Shinji Tanabe (Mitsubishi Electric Corporation)  
 Past AC Chair:  
 Shinji Kusumoto (Osaka University)  
 Past COC Chair:  
 Takao Onoye (Osaka University)

2017

Section Officers:

Chair: Miki Yamamoto (Kansai University)  
 Vice-Chair: Masahiro Fujita (Mitsubishi Electric Corporation)  
 Secretary: Yasutaka Takeda (Mitsubishi Electric Corporation)  
 Treasurer: Seiji Oka (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:  
 Tatsuhiro Tsuchiya (Osaka University)  
 Chapter Operations Committee Chair:  
 Yoshinobu Kajikawa (Kansai University)

Affinity Group Chairs:

Life Members Affinity Group Chair:  
 Masatsuga 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 2,258 members (see B-1).

In 2016, we had six executive committee meetings, an annual section meeting and seven technical meetings.

In 2016, we held the Metro Area workshop 2016 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. As a result, overall 274 people attended to the MAW and half of them were non-IEEE members.

In 2016, we held an IEEE Milestones dedication ceremony with great successes, namely “Keage Power Station: The Japan’s First Commercial Hydroelectric Plant, 1890–1897”, which was nominated by the Kansai Section.

We strengthened the promotion of the senior member upgrade, resulting in the number of newly elevated senior members in our section in a year became eleven. Furthermore, the WIE and YP Affinity groups accelerated their activities. We have now thirteen technical chapters

including four joint chapters and three affinity groups (LM/WIE/YP), each of which is very active and makes the activities of Kansai Section even more extensive and attractive.

## A.1-3 Major Events (International, National)

### A.1-3-1 Administrative Meetings

The Kansai Section had the following six executive committee meetings in 2016.

1. 1st executive committee meeting Date: January 18th  
 Place: Ritsumeikan University Umeda Campus Attendance: 14  
 Issues: 2016 Action and Financial Plans  
 Preparations for 2016 Annual Meeting of Kansai Section  
 Annual Section Report Draft
  
2. 2nd executive committee meeting Date: February 2nd  
 Place: Campus Plaza Kyoto Attendance: 12  
 Issue: 2016 Annual Meeting of Kansai Section
  
3. 3rd executive committee meeting Date: April 25th  
 Place: Ritsumeikan University Umeda Campus Attendance: 14  
 Issues: Report of the Region 10 annual meeting  
 Report of the 1st Japan Council Excom meeting  
 Report of the 1st-3rd Japan Council Industrial Promotion Com. Meeting  
 Nomination of the Executive Nomination Committee Chair  
 Planning status of the Metro Area Workshop 2016  
 Invitation for Young Professionals Award and Section Student Paper Award
  
4. 4th executive committee meeting Date: July 6th  
 Place: Ritsumeikan University Umeda Campus Attendance: 12  
 Issues: Planning status of Keage Milestone dedication ceremony  
 Report of the COC Meeting of Japan Council  
 Planning status of the Metro Area Workshop 2016
  
5. 5th executive committee meeting Date: September 23rd  
 Place: Ritsumeikan University Umeda Campus Attendance: 13  
 Issues: Planning status of Keage Milestone dedication ceremony  
 Candidates for 2017-2018 executive committee members  
 Report of the Metro Area Workshop 2016
  
6. 6th executive committee meeting Date: December 20th  
 Place: Ritsumeikan University Umeda Campus Attendance: 16  
 Issues: Young Professionals Award and Section Student Paper Award Selections  
 Progress of Hestelcon 2017  
 2017 Action and Financial Plans, Preparations for 2017 Annual Meeting of Kansai Section

### A.1-3-2 Annual Section Meeting

The Kansai Section had the Annual Section Meeting on February 2nd in 2016. The Committees, the Chapters, and the Affinity Group made presentations on their activities.

The Kansai Section commended 10 students for the best paper awards, 1 Young Professionals and 15 new Senior members.

Also, new Fellow members had presentations for their researches.

### A.1-3-3 IEEE Milestones dedication ceremonies

We organized one IEEE Milestone dedication ceremony with great successes.

1. Keage Power Station: Japan's First Commercial Hydroelectric Plant, 1890-1897
  - Contributors: Kansai Electric Power Corporation and City of Kyoto

- Proposal Form Submitted: February 4th, 2015,  
Board of Directors Approval: November 23rd, 2015
- The dedication ceremony followed by celebration party and commemorative lectures was held on September 12th at Westin Miyako Hotel Kyoto
- The plaque was presented by IEEE Past-President Howard E. Michel.

#### **A.1-4 Major Chapter Activities**

- The IEEE Industry Application Society Japan Chapter (IA-34) is scheduled to be the all Section Joint Chapter parented to the Tokyo Section.
- Currently there are 4 Joint Chapters where Kansai Section is the parent. Kansai Section alone Chapter is 9 Chapters. It is 22 Chapters that the Kansai section is participating in the Joint Chapter with the Tokyo Section parent.

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

- The Student Branch of Ritsumeikan University held its annual English Presentation Competition at Biwako-Kusatsu Campus on October 7, 2016. It had 21 presentations including two presentations by the students of Tsinghua University. 30 participants joined from seven student branches of the Kansai Section. Five Excellent Awards and six Challenge Awards were presented to the best speakers.
- The first MDC, SAC and YP joint workshop was held to discuss action plans on June 18, 2016.
- The second MDC, SAC and YP joint workshop was held to discuss promotion of IEEE on November 11, 2016.
- Student Branch Chair Meeting was held on May 2 2016. Discussed the activities in the previous term and future plans for activities and deepened exchanges.
- WIE Affinity Group held the 3<sup>rd</sup> WIE symposium at Osaka Institute of Technology UMEKITA Knowledge Center on October 22, 2016, which garnered 43 participants. The symposium consisted of two 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, namely, (1) at the Archaeological Institute of Kashihara in Kashihara-shi on October 12, 2016 with 13 participants (2) at Otowa Electric Corporation in Amagasaki-shi on November 30, 2016 with 16 participants.

#### **A.1-6 Awards**

- The Kansai Section Student Paper Awards were presented to 11 recipients in 2016.
- The Kansai Section Young Professional Award was presented to one recipient in 2016.
- The Kansai Section medals were presented to 11 newly elevated senior members in 2016.

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

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

### Receipts

(JPY)

<b># IEEE Entities</b>	<b>2,260,487</b>	
Section Rebate	1,586,265	\$7,233.50
-Chapter Rebate Payments	-365,032	\$2,860.00
-Affinity Group Rebate Payments	-72,786	\$660.00
SB Rebate	111,947	\$946.00
-SB Rebate Payments	-111,947	
<b>Section Rebate subtotal</b>	<b>1,148,447</b>	
Section Assessment	3,969,916	\$37,808.73
-Japan Council 拠出金	-3,329,698	\$31,003.16
<b>Section Assessment subtotal</b>	<b>640,218</b>	
Metro Area Workshop Support from MGA	322,401	
LMAG Support from Region 10	38,745	Applied in 2015
WIE Support	110,676	\$1000 from MGA
<b># Section Support</b>	<b>469,128</b>	
for YP Medal	11,628	
for Student Paper Awards	180,000	9 students
for Kansai Section Medals	177,500	20 medals
for WIE Symposium	100,000	WIE Symposium
<b># Others</b>	<b>121,159</b>	
Region 10 Meeting Support from Region 10	115,522	
Interest	5,637	
<b># Surplus (brought forward)</b>	<b>2,901,696</b>	
<b>Total</b>	<b>5,752,470</b>	

## Expenses

(JPY)

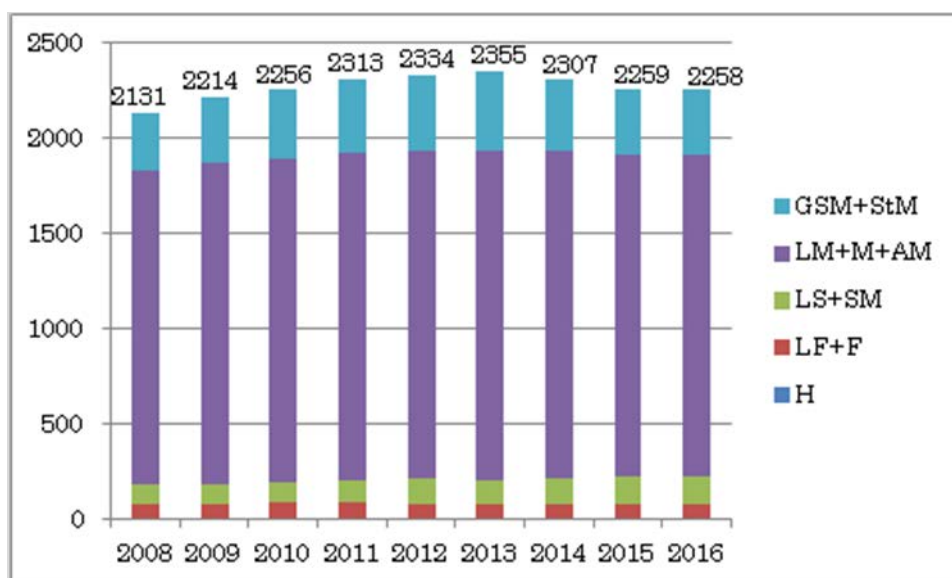
# Meetings, Awards & Support	2,236,051	
Kansai Section Activation Support	444,884	Region 10 SYLW Congress support Region 10 meeting support
Metro Area Workshop Support	645,342	Include support from MGA
Annual Meeting	310,534	Room charges, banquet expenses, etc.
-Banquet Participation Fees	-185,000	@5,000 JPY x 40 people
Annual Meeting subtotal	125,534	
Technical Meeting	30,000	
Executive Committee Meetings	151,210	Room charges, etc., 6 meetings
Committee Meetings	85,513	Two MDC/SAC joint meetings and a meeting of SB
YP Awards	0	2 Medals
Student Paper Awards	188,400	15 Awards
Section Medals	0	15 Medals
LMAG Support	37,622	2 Technical meetings with on-site tours
WIE Support	218,485	WIE Symposium, WIE/YP Joint Workshop
YP Support	58,084	YP Workshop
Student Branch Support	236,320	English Presentation Competition, SB Leaders' Meetings
Milestone Celemony	14,657	
# Management & General	14,639	
# Others	527,069	
charges for remittance, bank transfer fee, etc.	27,069	
Loan for Histelcon 2017 Preparation Committee	500,000	Returns in 2017
Subtotal	2,777,759	
# Surplus	2,974,711	
Total	5,752,470	

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

The member statistics by grade in the section at the end of December, 2016 are as follows:

Grade	Grade Code	Number
Honorary Member	H	1
Life Fellow	LF	48
Fellow	F	30
Life Senior Member	LS	23
Senior Member	SM	126
Life Member	LM	82
Member	M	1,547
Associate Member	AM	61
Graduate Student Member	GSM	358
Student Member	StM	82
Total		<b>2,258</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 Student Activities Committee.

1. MDC organized two MDC, SAC and YP joint workshops on June 18, 2016 and November 11, 2016 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 eleven.
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 presented the medals to eleven new Senior Members at the annual section meeting on February 22, 2017.

As a result of these efforts, Kansai Section achieved to the both goal of recruitment and retention rate set by the Membership Development in Region 10 and got the Gold Medal Award.

## 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	2016/4/18	60
SP01	Seminar	2016/6/30	44
SP01	Conference on signal processing, engineering acoustics, and speech	2016/8/4	200
SP01	Seminar	2016/8/22	61
SP01	Signal Processing Symposium	2016/9/12	150
SP01	Seminar	2016/10/12	39
AP03	Special talk	2016/11/30	28
AP03	Technical Workshop	2016/1/19	31
AP03	Special talk	2016/1/21	17
AP03	Special talk	2016/3/28	22
AP03	Young Engineer Technical Meeting	2016/7/26	90
CAS04	Seminar	2016/11/9	91
CAS04	The 20th Workshop on Synthesis And System Integration of Mixed Information technologies	2016/12/12	180
CAS04	The 59th Japan Joint Automatic Control Conference	2016/5/19	700
CAS04	Design Gaia 2016 -New Field of VLSI Design-	2016/8/26	200
CAS04	Seminar	2016/11/17	244
CE08	2016 1st IEEE CE-08 West Japan Chapter Research Meeting	2016/11/24	17
CE08	2016 2nd IEEE CE-08 West Japan Chapter Research Meeting	2016/12/10	10
CE08	Symposium: Utilization of open data in Sightseeing / MICE industry in IoT age	2016/7/8	100
CE08	Distinguished Lecture: The Revolution in Consumer Energy - The Effects of Mobility and Pseudo Green Technology -	2016/10/24	21
CE08	IEEE 5th Global Conference on Consumer Electronics (GCCE 2016)	2016/11/10	350
CE08	2016 TRON Symposium	2016/11/28	350
IE13	Joint Technical Meeting	2016/12/20	144
IE13	212th Technical Meeting	2016/1/22	86
IE13	213th Technical Meeting	2016/2/17	60
IE13	214th Technical Meeting	2016/9/1	46



			9
IE13	Lecture meeting	2016/10/10	20
IE13	215th Technical Meeting	2016/10/11	82
IE13	216th Technical Meeting	2016/12/12	205
C16	IEEE Computer Society Kansai Chapter 1st lecture meeting	2016/1/22	74
C16	IEEE Computer Society Kansai Chapter 2st lecture meeting	2016/4/23	30
MTT17	Workshop on Microwave Application Expanding into Space, Ocean and Earth	2016/6/11	45
MTT17	IEEE MTT-S DML Lecture	2016/8/6	37
MTT17	The 9th Kansai Microwave Meeting for Young Engineers	2016/9/5	63
MTT17	Workshop on New Wave of Wireless Power Transfer Technology	2016/10/8	56
MTT17	KIT Symposium on Electromagnetic Metamaterials and Their Applications	2016/12/3	65
MTT17	IEEE AP-S Kansai chapter and MTT-S Kansai Chapter Young Engineer Technical Meeting	2016/7/28	90
COM19	Technical Meeting	2016/12/7	22
COM19	Technical Meeting	2016/1/23	19
COM19	Distinguished Lecture	2016/5/19	19
COM19	Technical Meeting	2016/7/2	15
COM19	Student workshop	2016/11/5	12
CS23	SICE Kansai - ISCIE workshop for young researchers	2016/11/18	108
CS23	SICE Multi Symposium on Control Systems 2016 (MSCS2016)	2016/12/10	486
CS23	Seminar	2016/4/13	14
CS23	ISCIE - SICE tutorial lecture	2016/6/1	53
CS23	Seminar	2016/7/27	11
CS23	The 48th Stochastic Systems Symposium	2016/10/4	72
CS23	The 59th Joint Conference on Automatic Control	2016/11/26	535
CS23	ISCIE seminar	2016/1/8	38
MAG33	2nd Research Meeting of Kansai/Shikoku Joint Sections Chapter, MAG33	2016/3/7	19
MAG33	The 7th International Forum on Magnetic Force Control	2016/5/19	31
MAG33	Conference of Technical Committee on Magnetic Recording and Information Storage	2016/12/8	72
PHO36	IEEE Photonics Society Kansai Chapter Special Seminar	2016/8/2	41
PHO36	21st OptoElectronics and Communications Conference (OECC 2016) / Photonics in Switching 2016 (PS 2016)	2016/11/4	830
PHO36	25th International Semiconductor Laser Conference (ISLC 2016)	2016/11/10	381
PHO36	2nd Presentation School for International Conferences on Photonics	2016/11/16	28
PHO36	IEEE PS Kansai and KIT Symposium on Photonics	2016/4/23	40
SSC37	IEEE SSCS Japan/Kansai Chapter Technical Seminar	2016/11/10	74
SSC37	IEEE SSCS Japan/Kansai Chapter Technical	2016/12/8	107

	Seminar		10
SSC37	Analog RF Seminar	2016/1/28	22
SSC37	Integrated Circuits and Devices Seminar	2016/7/3	49
SSC37	VDEC Refresh Seminar	2016/9/12	16
SSC37	VDEC Refresh Seminar	2016/10/8	10
SSC37	Integrated Circuits and Devices Seminar	2016/11/5	43
SSC37	LSI and Systems Workshop	2016/1/13	440
SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2016/2/17	80
SSC37	IEEE SSCS Kansai Chapter Technical Seminar	2016/3/1	91
SSC37	VDEC Refresh Seminar	2016/3/2	8
SSC37	VDEC Refresh Seminar	2016/3/17	18
SSC37	VDEC Refresh Seminar	2016/3/18	6
SSC37	VDEC Refresh Seminar	2016/4/14	7
SSC37	Integrated Circuits and Devices Seminar	2016/5/16	99
SSC37	VLSI summer school	2016/6/24	143
SSC37	VDEC Designers Forum 2016	2016/6/24	50
SSC37	Analog RF Seminar	2016/7/4	30
SSC37	VDEC Refresh Seminar	2016/7/11	5
SSC37	VDEC Refresh Seminar	2016/7/13	10
SSC37	IEEE SSCS Japan/Kansai Chapter Technical Seminar	2016/7/27	69

### B.3 Professional and Continuing Education Activities

The section organized the following seven technical meetings.

1.

Lecturers: 1) Mr. Bruce Kraemer (IEEE Standards Association)

2) Dr. Shinji Tanabe (Mitsubishi Electric Corporation)

Titles: 1) IEEE Standards Association: Driving global innovation through standards and consensus building

2) Panel Discussion: What practices can help standards become truly market-driven --Do standards prompt or prevent technology progresses?--

Date: April 18, 2016

Place: Kyotanabe Campus, Doshisha University (Kyotanabe City, Kyoto, Japan)

2.

Lecturer: Prof. Yeong Luh Ueng (National Tsing Hua University, Taiwan)

Titles: Low-density parity-check codes for communication systems: decoding algorithms and VLSI designs

Date: June 30, 2016

Place: Kyotanabe Campus, Doshisha University (Kyotanabe City, Kyoto, Japan)

3.

Lecturers: 1) Prof. Hiroshi Ishiguro (Osaka University)

2) Mr. Akio Ikemori (Kansai Bureau Ministry of Economy, Trade and Industry)

3) Dr. Kazuo Kyuma (Council for Science, Technology and Innovation, Cabinet Office, Japan)

Titles: 1) Interactive robots and the fundamental issues

2) Kansai economy and development of growth industry

3) Science, technology and innovation policy of Japan

Date: Aug. 4-5, 2016

Place: Imadegawa Campus, Doshisha University (Kyoto City, Kyoto, Japan)

4.

Lecturer: Ms. Shengmei Shen (Panasonic R&D Center Singapore)

Title: AI/deep learning, its principle and applications in robot and self-driving car

Date: Aug. 22, 2016  
 Place: Kyotanabe Campus, Doshisha University (Kyotanabe City, Kyoto, Japan)

5.

Lecturers: 1) Mr. Masao Yakuwa (The Kansai Electric Power Co., Inc.)  
 2) Mr. Michitake Hisaoka (Lake Biwa Canal Museum of Kyoto)

Titles: 1) Overview of Keage Power Station  
 2) Overview of the Lake Biwa Canal

Date: Sept. 12, 2016

Place: Keage Power Station (Kyoto City, Kyoto, Japan)

6.

Lecture: Mr. Masayoshi Okuyama (Archaeological Institute of Kashihara, Nara Prefecture)

Title: Natural science in archaeology

Date: Oct. 12, 2016

Place: Archaeological Institute of Kashihara, (Kashihara City, Nara, Japan)

7.

Lecturers: Dr. Zenichiro Kawasaki (Osaka University)

Titles: Lightning imager by VHF interferometer (LIVE)

Date: Nov. 30, 2016

Place: Lightning Technology Center, Otowa Electric Co., LTD. (Amagasaki City, Hyogo, 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 2, 2016, where they reported their activities and discuss action plans.
- The Student Activities Committee (SAC) organized two MDC, SAC and YP joint workshop on June 3, 2016 and November 24, 2016 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 eleven award recipients in 2016.
- The Student Branch of Ritsumeikan University held its annual English Presentation Competition at Biwako-Kusatsu Campus on October 7, 2016. It had 21 presentations including two presentations by the students of and Tsinghua University in total and 30 participants joined from seven student branches of the Kansai Section. Three Excellent Awards and three Challenge Awards were presented to the best speakers.
- The 1st Student Branch Research Exchange Meeting was held on July 23, 2016 at Osaka University. An invited speaker and several student members presented own research to other student branch members.
- As a networking activity, Kansai Section Student Branches exchange meeting was held on December 23, 2016 at Osaka University.

## B.5 Affinity Group Activities

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

- In 2016, while introducing group activities at MAW, we organized various events jointly with WIE and SAC.

- The first MDC, SAC and YP joint workshop was held to discuss action plans on June 18, 2016.
- The second MDC, SAC and YP joint workshop was held to discuss promotion of IEEE on November 11, 2016.

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

- WIE Affinity Group held the 3<sup>rd</sup> WIE symposium at Osaka Institute of Technology UMEKITA Knowledge Center on October 22, 2016 with 43 participants. The symposium consisted of two invited talks and one workshop session. This workshop was co-hosted by YP AG.
- On Aug. 5, 2016, WIE joined in the Metro Area Workshop (MAW) in Kansai 2016 and presented our activity at a poster session.
- WIE co-sponsored and joined in the IEEE Japan SYWL Workshop Kansai 2016.
- WIE co-sponsored the 8th Career Development Essay Contest for Young Professionals and Women Engineers.
- WIE contributed to the Girls Science Camp, which encourages female junior high and high school students to choose STEM career paths, in corporation with Doshisha University on August 10, 2016. This camp was held as part of a Japan Science and Technology (JST) Agency program.
- WIE had five officers meetings in 2016 for discussing our action plans and for preparing the WIE symposium and MAW2016.

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

- LMAG had four officers meetings in 2016 to discuss action plans.
- In corporation with TPC, LMAG held the following two technical meetings with on-site tours, namely, (1) at Archaeological Institute of Kashihara, Nara Prefecture in Kashihara City, Nara Prefecture on October 12, 2016 with 15 participants and (2) at Otowa Electric Co., Ltd. in Amagasaki City, Hyogo Prefecture on November 30, 2016 with 11 participants.
- LMAG issued "Kansai-LMAG Newsletter" in June and September 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 newly designed Kansai LMAG pin-badges were made and delivered to LMAG activity participants.
- The new activity plan called "LMAG Salon" was realized. More frequent and frank discussion is expected.
- LMAG also joined the Metro Area Workshop held in August.

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

- The Kansai Section Student Paper Awards were presented to eleven recipients in 2016.
- The Kansai Section Young Professional Award was presented to one recipient in 2016.
- The Kansai Section medals were presented to eleven newly elevated senior members in 2016.

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

- We issued two newsletters in June and September, 2016. They reported 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.
- The Kansai Section website was renovated and reopened in September 2011. Since then, it has been actively updated. The "what's new" page shows there were more than twenty-five items that were updated in 2016. The URL is <http://www.ieee-jp.org/section/kansai/>
- We also actively used Mailing List for timely announcements of upcoming events.

## B.8 Industry Relations

- Membership Recruitment reached 106.3% of Region 10 Recruitment Goal.
- Membership Retention reached 100.5% of Region 10 Retention Goal.
- As a result, Kansai Section received a gold medal from Region 10.

## B.9 Humanitarian Technology Activities

## B.10 Community Activities

# PART C - OTHERS

## C.1 Special Events

### ● Metro Area Workshop (MAW) in Kansai 2016

Metro Area Workshop (MAW) in Kansai 2016 was held in 4th-5th August at Doshisha University. It was the second MAW in Japan, following the first one held in Tokyo last year. The purpose of this MAW in Kansai was to energize local electronics industries in Kansai area by connecting students, researchers in universities/institutes and professionals and engineers in enterprises.

As a result, overall 274 people attended to MAW and half of them were non-IEEE members. Four companies (Sumitomo Electric Industries, OMRON Corporation, Mitsubishi Electric Corporation, ROHM Semiconductor) sponsored. Three companies (NTT Communication Science Laboratories, Takebishi Corporation, Sharp Corporation) exhibited their technologies.

Taking advantage of this opportunity, we strongly encouraged non-IEEE members to apply for IEEE membership so that we expect the number of members in Kansai Section will increase in due time.

## 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 22-23, 2016
  - Place: Osaka Prefecture University Nakamozu Campus
- The 3rd Electronic Device Forum Kyoto
  - Organizer(s): Nippon Electronic Device Industry Association (NEDIA)
  - Dates: December 1-2, 2016
  - Place: Kyoto Industrial Science and Technology Innovation Center, Kyoto Research Park
- 2016 Annual Conference of Electronics, Information and Systems Society, I.E.E. of Japan
  - Organizer(s): The Institute of Electrical Engineers of Japan
  - Dates: August 31st - September 3rd, 2016
  - Place: Kobe University Rokkodai 2nd Campus

### **C3. Collaboration with other IEEE Sections**

- The Student Branch Leadership Training Workshop was held on August 6th. The Kansai Section collaborated with the Student Activity Committee of Japan Council.
- SYWL Workshop held on August 6<sup>th</sup> also was collaborated with the Student Activity Committee, YP AG, WIE AG and LMAG of Japan Council and Tokyo Chapter.
- WIE Symposium held on October 22th was collaborated with WIE of Japan Council. WIE Chair of Japan Council was attended and made speech.

### **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 two executive committee meetings in January and in February.

#### **D-1-2 Membership Development Committee**

In 2017, we will engage in activities to increase membership. Especially, we aim to increase the number of members by inviting an organization who has a large number of members and does not commit members to MDC & SAC and increases the number of new members.

#### **D-1-3 Nominations Committee**

Regarding the Fellow Nomination in 2018, we request the present Fellow in the Kansai Section to recommend the new Fellow and encourage the current senior to be Nominee as well.

#### **D-1-4 Student Activities Committee**

We will organize events dedicated to lectures, tours and IEEE activities for students, and aim to further increase student membership. In cooperation with existing 7 university SBs, we will also actively provide services to student members and promote membership expansion for universities where SBs are not installed.

#### **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**

We aim to organize more than 5 events. We will also positively hold seminars on cross-cutting / interdisciplinary fields, innovation and globalization that do not belong to specific chapters.

#### **D-1-8 Affinity Groups**

- **Life Members Affinity Group**

In cooperation with YP and SB, LMAG members participate in activities. We will issue “Kansai-LMAG Newsletter” by email and on the Kansai Section WEB.

- **WIE Affinity Group**

Recruit members who agree with WIE activities, and strengthen the management system. 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**

We will continue to co-organize events such as workshops with MDC, WIE symposium, essay contest with Tokyo YP, English presentation tournament with Ritsumeikan SB and so on. As a single event in the first half of 2017, we will tour a plant in the Kansai area. We will also promote exchange among young researchers and engineers who are participants. Plan a casual exchange meeting where researchers and engineers from different fields can participate.

#### **D-1-9 Chapters**

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

#### **D.2 Goals and Future Plans**

Information obtained in face to face meeting with academic community is actually beneficial for daily activities for both of academia and company researchers. Kansai Section will continue to provide a useful place especially for young members of universities and companies.

#### **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



Milestone dedication ceremony for Keage Power Station: Japan's First Commercial Hydroelectric Plant



Metro Area Workshop 2016 in Kansai





WIE Symposium 2016