

IEEE Kansai Section Section Report

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Chair of the IEEE Kansai Section
Doshisha University

PART A - SECTION SUMMARY

A.1 Executive Summary

The IEEE Kansai Section was established in November 1998. The number of members of the Kansai Section as of December 31 was 2,205 (See Item B-1). This number increased by 1 compared to December 31, 2009.

In 2010 the Section had six executive meetings, one annual section meeting and five technical lectures. In 2011 the Section has already had one annual section meeting and two executive meetings.

A.2 Financial Report

The Section's Finance is in good condition. See the attached Table 1 in the ANNEX I.

A.3 List of Section Officer and Executive Committee Members (2011-2012)

Section Officers:

Chair:

Shigeru Katagiri (Doshisha University)

Vice-chair:

Atsushi Yano (Sumitomo Electric Industries, Ltd.)

Secretary/Treasurer:

Toru Murase (Sumitomo Electric Industries, Ltd.)

Executive Committee Members:

Membership Development Committee Chair:

Takeshi Ogura (Ritsumeikan University)

Nominations Committee Chair:

Yutaka Yamamoto (Kyoto University)

Student Activities Committee Chair:

Yoshinobu Kajikawa (Kansai University)

Technical Program Committee Chair:

Tomohiro Nakatani (Nippon Telegraph and Telephone Corporation)

Awards Committee Chair:

Shinji Kusumoto (Osaka University)

Chapter Operations Committee Chair:

Takao Onoye (Osaka University)

Past Chair:

Yukihiro Nakamura (Ritsumeikan University)

Past Vice-chair:

Yoshiaki Kushiki (Panasonic Corporation)

Past Secretary/Treasurer:

Daisuke Ueda (Panasonic Corporation)

Past MDC Chair:

Hironori Yamauchi (Ritsumeikan University)

Past TPC Chair:

Takeshi Yamada (Nippon Telegraph and Telephone Corporation)

Past AC Chair:

Toru Kikuno (Osaka University)

Past COC Chair:

Miki Yamamoto (Kansai University)

Secretariat:

A.4 List of Chapter Officers (2011-2012)

EDS (Electron Devices Society) Kansai Chapter

Chair: Akira Takahashi (SHARP Corporation)
Vice-chair: Shigehiko Sasa (Osaka Institute of Technology)
Secretary: Hiroshi Kotaki (SHARP Corporation)
Treasurer: Toshihiko Maemoto (Osaka Institute of Technology)

SSCS (Solid-State Circuits Society) Kansai Chapter

Chair: Kunihiko Iizuka (SHARP Corporation)
Vice-Chair: Minoru Fujishima (Hiroshima University)
Secretary: Takeshi Mitsutaka (SHARP Corporation)
Treasurer: Takeaki Sugimura (Renesas Electronics Corp.)

CASS (Circuits and Systems Society) Kansai Chapter

Chair: Toshimitsu Ushio (Osaka University)
Vice-Chair: Masahiro Numa (Kobe University)
Secretary: Kaoru Inoue (Doshisha University)
Treasurer: Masahiro Wada (Konan University)

APS (Antennas and Propagation Society) Kansai Chapter

Chair: Taketsugu Manabe (Osaka Prefecture University)
Vice-chair: Tadahiko Maeda (Ritsumeikan University)
Secretary: Hidehisa Shiomi (Osaka University)
Treasurer: Atsushi Yamamoto (Panasonic Corporation)

COMS (Communications Society) Kansai Chapter

Chair: Hideki Ishio (Osaka Institute of Technology)
Vice-Chair: Hiroyuki Kumazawa (Mitsubishi Electric Corporation)
Secretary/Treasurer:
Minoru Okada (Nara Institute of Science and Technology)

CS (Computer Society) Kansai Chapter

Chair: Takeo Yasuda (IBM Japan, Ltd.)
Vice-Chair: Hiroyuki Tomiyama (Ritsumeikan University)
Vice-Chair: Hiroyuki Ochi (Kyoto University)
Secretary: Masaitsu Nakajima (Panasonic Corporation)
Treasurer: Tomonori Izumi (Ritsumeikan University)

MTTS (Microwave Theory and Techniques Society) Kansai Chapter

Chair: Yohei Ishikawa (Murata Co. Ltd.)
Vice-Chair: Toshio Ishizaki (Ryukoku University)
Secretary: Takuo Kashiwa (Furuno Electric Co. Ltd.)
Secretary: Yasushi Horii (Kansai University)
Treasurer: Shoichi Kitazawa (Advanced Telecommunications Research Institute International)

Photonics Society (formerly LEOS) Kansai Chapter

Chair: Susumu Noda (Kyoto University)
Vice-Chair: Kazuyoshi Itoh (Osaka University)
Secretary: Atsushi Sugitatsu (Mitsubishi Electric Corporation)
Treasurer: Tomoaki Kato (NEC Corporation)

SPS (Signal Processing Society) Kansai Chapter

Chair: Hideaki Sakai (Kyoto University)
Vice-Chair: Hiroshi Sawada (Nippon Telegraph and Telephone Corporation)
Secretary: Tomoki Toda (Nara Institute of Science and Technology)
Treasurer: Kazunori Hayashi (Kyoto University)

CES (Consumer Electronics Society) Kansai Chapter

Chair: Tadashi Sakamoto (Renesas Solutions Corp.)
Vice-Chair: Morimasa Matsuda (Mitsubishi Electric Corporation)
Secretary/Treasurer:
Tomohiro Hase (Ryukoku University)

A.5 Administrative Meetings

The Kansai Section had the following six executive meetings in 2010.

1. First executive meeting Date: January 26
Place: Campus Plaza Kyoto Attendees: 10

Issues: - 2010 Annual Meeting of Kansai Section

2. Second executive meeting Date: February 22
 Place: Central Electric Club Attendees: 10
 Issues: - 2010 Annual Meeting of Kansai Section
 - Annual Reports

3. Third executive meeting Date: May 10
 Place: Kyoto Research Park Attendees: 11
 Issues: - Meeting Report of the 1st Japan Council EXCOM meeting
 -Election of Next Kansai Section Officers
 -Candidates of next Japan Council Officers

4. Fourth executive meeting Date: June 22
 Place: Campus Plaza Kyoto Attendees: 9
 Issues: - Interim Action Report of Kansai Section
 -Kansai Section GOLD Medal
 -Nomination of Executive Nomination Committee
 -Correspondence to Public-service Corporation system revolution

5. Fifth executive meeting Date: September 13
 Place: Kyoto Terrsa Attendees: 10
 Issues: - Meeting Report of the 2nd Japan Council
 -Nomination of Next Kansai Section Officers
 - Activity Report of Six Committees
 - Kansai Section GOLD Award and Kansai Section Student Paper Award
 - Interim Financial Report of Kansai Section

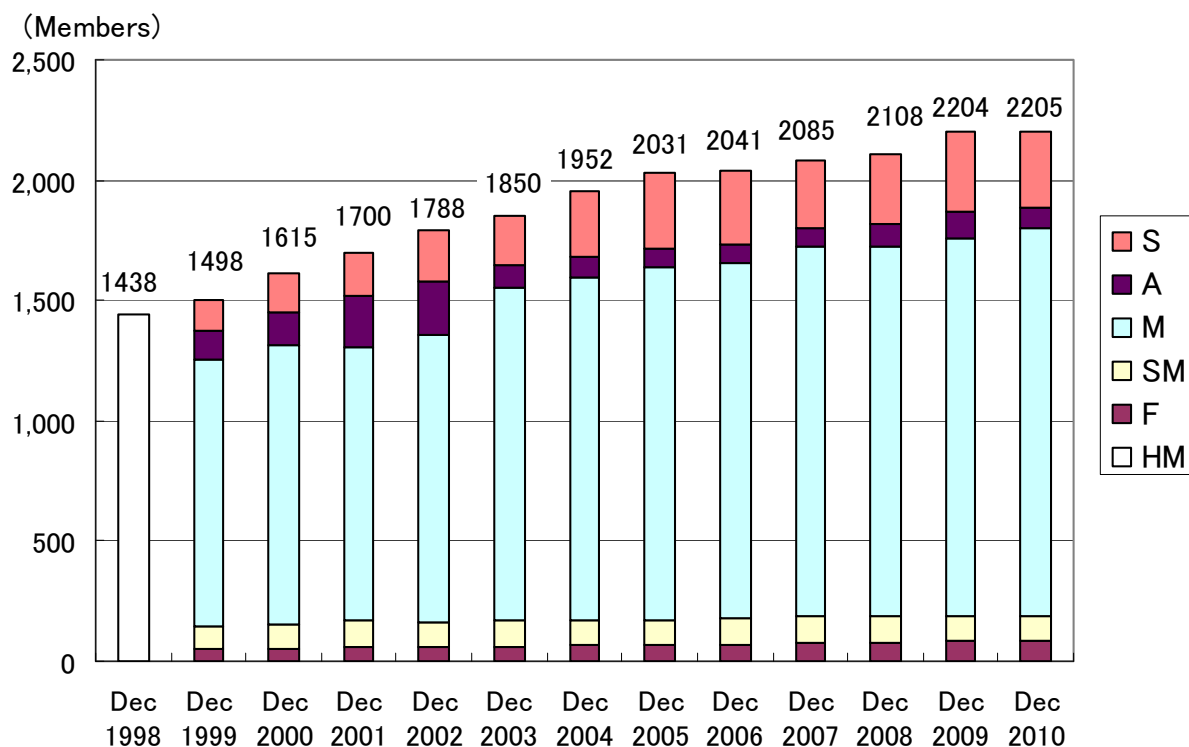
6. Sixth executive meeting Date: December 22
 Place: Kyoto Okaku en Attendees: 21
 Issues: - Election Results of JC officers
 - 2010 Activities and 2011 Plans of Kansai Section, Committees and Chapters
 - Examination Outcome of Kansai Section GOLD Award
 - Examination Outcome of Kansai Section Student Paper Award
 - Recipients of Kansai Section Medal
 - 2011 New Fellows

Part B. Organizational Activities in 2010

B-1 Membership Development Committee

The Chair of the Membership Development Committee is now appointing his committee members and will promote them to recruit new members. The number of Members of the Section as of December 31, 2010 is as follows:

Grade	Grade Code	Number
Honorary Member	H	0
Life Fellow	LF	36
Fellow	F	50
Life Senior Member	LS	6
Senior Member	SM	98
Pending Senior Member	PS	0
Life Member	LM	45
Member	M	1,565
Pending Member	PM	0
Life Associate	LA	0
Associate	AM	89
Graduate Student Member	GSM	194
Student	StM	122
Total		2,205
Affiliate of an IEEE Society	AF	133



The membership development committee has been acting the following projects for increase of IEEE members in Kansai Section.

1. Announcement of merit of IEEE membership.
2. Increase of Senior member in Kansai Section. (Statistics indicate that Senior members have higher probability of maintaining their membership.)

For that purpose, Kansai Section gives "the IEEE Kansai Section Medal" to a new Senior Member and supports an application for Senior Member grade on our web site.

Photo 1 IEEE Kansai Section Medal



The IEEE Kansai Section Medal is presented to new Senior Member. The medal is designed with the portrait of Gennai Hiraga who had constructed the first friction generator, Elekiter, in Japan. We have given the Medals to 10 New Senior Members in annual section meeting on February 16, 2011.

B-2 Student Activities Committee

The Student Activities Committee planned the Kansai Section Student Paper Award to encourage student members of Kansai Section in their research activities of presenting excellent papers in IEEE international conferences and IEEE Transactions. In cooperation with the Award Committee, we selected 12 winners of this award in 2010.

We have six student branches; Osaka University, Kyoto University, Ritsumeikan University, NAIST (Nara Institute of Science and Technology), University of Hyogo and Kansai University. The last branch was newly built on Oct 22nd. Those branches held Student Branch Contact Meeting in December 2010 at Osaka University as has done in the past. The Student Branch of Ritsumeikan University held annual English Presentation Competition in October 2010. 23 reports and 58

attendants joined from all student branches of Kansai Section. Student Activities Committee had awarded excellent presenters certificates of merit.

We held the kick-off meeting at Osaka University on July 24th for the GINI (Global Integrated Network of IEEE) which R10 acts as a special Initiative. And we dispatched ten students to IEEE Student Branch Leadership Training Workshop at Kagawa University.

We held joint meetings with Membership Development Committee and made activity supports for GOLD members and women members.

B-3 Nominations Committee

Nominations Committee asked Fellow members in Kansai Section to recommend fellow up-grade candidates. Five members have been endorsed from Kansai Section. We ended up with one new Fellow member in Kansai Section.

B-4 Awards Committee

Awards Committee established the IEEE Kansai Section GOLD Award in 2001. Since 2009, this award is presented not only to students or younger researchers, but also to younger corporate engineers who have contributed to IEEE Kansai Section's activities. The 2010 Kansai Section GOLD Award was awarded in annual section meeting on February 16, 2011 to Mr. Kenta Iwai (Kansai University), Mr. Yukihiro Kaneko (Panasonic Corporation) and Mr. Ehssan Sakhaee (Osaka University).

Photo 2 IEEE Kansai Section GOLD Award



In 2004, we also established a new award for students, the Kansai Section Student Paper Award. This Award is for student members who have presented their excellent research results in IEEE international conference or IEEE Transactions. We selected 12 winners of this award in 2010.

Photo 3 IEEE Kansai Section Student Paper Award



The IEEE Kansai Section Student Paper Award was presented to 12 winners at commendation ceremony in annual section meeting on February 16, 2011.

B-5 Chapter Operations Committee

The Chapter Promotion Committee was established in 2006 and it was reorganized into Chapter Operations Committee in 2008 with the aim of organizing new chapters and supporting chapters in

Kansai Section. Four new Kansai Chapters were formed in 2006 in addition to three existing chapters, and two Kansai Chapters were newly formed in 2007. In 2008, Consumer Electronics Kansai Chapter was formed. At present, Kansai Section has ten Kansai Chapters in all.

B-6 Professional Activities

Lectures:

1. Lecturer: Prof. Norikazu Ikoma, Kyushu Institute of Technology
Dr. Ikuhisa Mitsugami, Kyoto University
Mr. Hiroki Sugano, Kyoto University
Title: Particle Filters: from introduction to advanced topics
Date: January 23, 2010
Place: Kyoto University
2. Lecturer: Dr. Eiichi Ohno, Japan Council History Committee Chair
Mr. Tadashi Nakanishi, former Kansai Electric Power
Mr. Joseph A. Kalasky, IEEE History Committee
Dr. Akio Suzuki, former Sharp
Title: Commemorative lectures of IEEE Milestones
- Kurobe River No.4 Hydropower Plant, Solar Cells
Date: April 9, 2010
Place: Hotel Granvia Osaka
3. Lecturer: Mr. Takeaki Anazawa, board member of Japan Audio Society
Prof. Yutaka Yamamoto, Kyoto University
Title: Past and future of digital audio signal processing
Date: July 26, 2010
Place: Hotel New Hankyu Osaka
4. Lecturer: Dr. Yew Soon Ong, Nanyang Technological University
Dr. Kay Chen Tan, National University of Singapore
Title: Recent Topics in Evolutionary Computation
Date: July 29, 2010
Place: Osaka Prefecture University
5. Lecturer: Dr. Tadashi Nagase, Takenaka Corporation
Dr. Katsuhisa Nishimura, Obayashi Corporation
Dr. Naoko Tosa, Professor, Kyoto University
Title: The 1300th anniversary of Nara Heijo-kyo Capital - Learn from the Ancient Culture and Technologies
Date: October 15, 2010
Place: Nara Chamber of Commerce and Industry

Workshop cooperated with other institutes:

- IMFEDK2010 (2010 International Meeting for Future of Electron Devices, Kansai
Date: May 13-14, 2010
Place: Centenary Memorial Hall of Kansai University, Osaka, JAPAN
- CIE40 (The 40th International Conference on Computer & Industrial Engineering)
Date: July 25-28, 2010
Place: Awaji Yumebutai
- ITST2010 (Intelligent Transport System for Telecommunications 2010)
Date: Nov. 9-11, 2011
Place: CO-OP Inn Kyoto
- Kansai Joint Convention of Institutes of Electrical Engineering 2010
Date: Nov. 13-14, 2011
Place: Ritsumeikan University Biwako-Kusatsu Campus

B-7 Chapter Activities

We have 10 chapters including newly established one chapter in 2008. Most of the chapters were very active. EDS Kansai Chapter had 3 technical meetings and 2 educational meeting. SSCS Kansai Chapter had 11 technical meetings. CASS Kansai Chapter had 6 technical meetings. APS

Kansai Chapter had 4 technical meetings. COMS Kansai Chapter had 2 technical meetings. CS Kansai Chapter had 2 technical meetings. MTTS Kansai Chapter had 7 technical meetings. Photonics Society (formerly LEOS) Kansai Chapter had 10 technical meetings. SPS Kansai Chapter had 2 educational meetings. CES Kansai Chapter had 2 technical meetings.

Part C. Goals and Action Plans in 2011

C-1 Executive Meeting

We will have five executive meetings this year.

C-2 Nominations Committee

NC will also nominate fellow up-grade candidates.

C-3 Membership Development Committee

MDC members will try to increase membership in their organizations.

C-4 Student Activities Committee

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

C-5 Technical Program Committee

TPC will have several Technical Lectures.

C-6 Awards Committee

AC undertakes the selection process for the IEEE Kansai Section GOLD Award and the IEEE Kansai Section Student Paper Award.

C-7 Chapter Operations Committee

COC will promote cooperation between chapters and will try to establish new Chapters in Kansai Section.

C-8 Chapter

Each Chapter will have some events including some technical lectures and workshops.

C-9 Workshop cooperated with other institutes

- IMFEDK2011 (International Meeting for Future of Electron Devices, Kansai)
Date: 19-20 May 2011
Place: Centenary Memorial Hall of Kansai University, Osaka, JAPAN
- Osaka Electro-Communication University memorial lectures for new school building
Panasonic lecture "Venture engineering"
Date: Apr.15 – July 29, 2011 (14 times)
Place: Osaka Electro-Communication University

Part D. Others

D-1 IEEE Milestones in Electrical Engineering and Computing

The Kurobe River No. 4 Hydropower Plant, 1956-63 built by Kansai Electric Power Co., Inc., and the Commercialization and Industrialization of Photovoltaic Cells, 1959-83 done by Sharp Corporation those are nominated from IEEE Kansai Section have been approved with a prestigious IEEE Milestones in Electrical Engineering and Computing. Those Dedication Ceremonies were held in Osaka on April 9, 2010.

The IEEE established the Electrical Engineering Milestones program in 1983 to honor significant achievements in the history of electrical and electronics engineering that have contributed to the betterment of society. Currently there are more than 102 Milestones around the world. In Japan, there are 14 Milestones. Kansai section had 2 Milestones, the Pioneering Work on Electronic Calculators (2005), and the Railroad Ticket Examining System (2007). The Kurobe River No. 4 Hydropower Plant and the Commercialization and Industrialization of Photovoltaic Cells were the 3rd and 4th such IEEE Milestones of Kansai section.

Photo 4 IEEE Milestones Presentation Ceremony



Kurobe River No. 4 Hydropower Plant
(Kansai Electric Power Co., Inc.)

Photovoltaic Cells
(Sharp Co.)

The lecture meeting was held in commemoration of the prestigious IEEE Milestones in Electrical Engineering and Computing in Osaka on April 9, 2010. We invited Prof. Yong-Jin Park (Region 10 Director), Mr. Joseph A. Kalasky (IEEE History Committee), Dr. Eiichi Ohno (Chair of Japan Council History Committee), Mr. Tadashi Nakanishi (former employee of Kansai Electric Power), and Dr. Akio Suzuki (former employee of Sharp). Dr. Eiichi Ohno, Mr. Tadashi Nakanishi, Mr. Joseph A. Kalasky, and Dr. Akio Suzuki gave lectures entitled ‘Approved Milestones in Japan and the Approval Process of Kurobe River No.4 Hydropower Plant’, ‘Construction Process of Kurobe River No. 4 Hydropower Plant’, ‘Significance of IEEE Milestone in Relation to Sharp Photovoltaics’, and ‘Commercialization Process of Solar Cell Business and its Future’, respectively.

Photo 5 IEEE Milestones Commemorative Lecture Meeting



Prof. Yong-Jin Park



Dr. Eiichi Ohno



Mr. Tadashi Nakanishi



Mr. Joseph A. Kalasky



Dr. Akio Suzuki



Prof. Yukihiro Nakamura

Table 1 Finance Report in 2010

1. Receipts

(Japanese Yen)

# IEEE Entity	4,744,229	
Section Rebate (IEEE Head Quarter)	1,103,876	\$12,612.85
Section Assessment (IEEE Head Quarter)	3,430,353	\$37,337.20
Reimbursement for Audit fee (IEEE MGA)	210,000	External Audit
# Section Support	670,582	
Section Support (Japan Council)	63,000	GOLD Award
Section Support (Japan Council)	353,942	Student Paper Award
Section Support (Japan Council)	115,890	Kansai Section Medal
Section Support (Japan Council)	117,750	Milestone
Section Support (Japan Council)	20,000	Election Competition Award
# Other (Repayment)	547,620	
Milestone Plaques Expense (Kansai electric Power CO., Sharp CO.)	312,620	Milestone Plaque09
Party participation fees	235,000	
# Interest	740	
# Surplus (Brought forward)	1,673,805	
Total	7,636,976	

2. Expenses

(Japanese Yen)

# IEEE Entity	3,682,713	
Japan Council	3,427,353	Contribution of Section Assessments
Chapter Rebate	225,360	\$2,575.00
Section Support Refund (Japan Council)	30,000	Surplus of Milestone Support
# Meeting & Award	1,650,672	
Annual Meeting	321,257	Room Charge, Party Expense, etc.
Technical Lecture	142,631	Room Charge, Reward for Lecturers, etc.
Executive Meeting	387,637	Room Charge, etc.
Committee Meeting	225,000	MDC/SAC (twice)
Gold Award	63,000	Plaque
Student Paper Award	350,734	Award, Certificate
Section Medal	115,890	Japan Mint
Student Branch Support	38,748	Ritsumeikan University
Milestone	5,775	Printing cost
# Management & General	276,803	Including External audit 210,000
# Surplus	2,026,788	
Total	7,636,976	