IEEE Kansai Section

Section Report

Hidetoshi Onodera

Chair of the IEEE Kansai Section

Kyoto University

**PART A. SECTION SUMMARY**

**A-1 Executive Summary**

The IEEE Kansai Section was established in November 1998. As of December 31, 2012, the Kansai Section comprised of 2,372 members (see Item B-1), increase of 56 members since December 31, 2011.

In 2012 the Section had six executive committee meetings, an annual section meeting and six technical lectures. In 2013 the Section has already had an annual section meeting and two executive committee meetings.

**A-2 Financial Report**

The Section’s Finances are in good condition. See the attached Table 1 in ANNEX I.

**A-3 List of Section Officers and Executive Committee Members (2013 - 2014)**

Section Officers:

Chair:

Hidetoshi Onodera (Kyoto University)

Vice-Chair:

Naonori Ueda (Nippon Telegraph and Telephone Corporation)

Secretary:

Takeshi Yamada (Nippon Telegraph and Telephone Corporation)

Treasurer:

Takayuki Suyama (Nippon Telegraph and Telephone Corporation)

Executive Committee Members:

Membership Development Committee Chair:

Takeshi Ogura (Ritsumeikan University)

Nominations Committee Chair:

Toshiharu Sugie (Kyoto University)

Student Activities Committee Chair:

Yoshinobu Kajikawa (Kansai University)

Technical Program Committee Chair:

Shinji Tanabe (Mitsubishi Electric Corp.)

Awards Committee Chair:

Shinji Kusumoto (Osaka University)

Chapter Operations Committee Chair:

Takao Onoye (Osaka University)

Past Chair:

Shigeru Katagiri (Doshisha University)

Past Vice-Chair:

Atsushi Yano (Sumitomo Electric Industries, Ltd.)

Past Secretary/Treasurer:

Toru Murase (Sumitomo Electric Industries, Ltd.)

Past NC Chair:

Yutaka Yamamoto (Kyoto University)

Past TPC Chair:

Tomohiro Nakatani (Nippon Telegraph and Telephone Corporation)

**A-4 List of Chapter Officers (2013-2014)**

EDS (Electron Devices Society) Kansai Chapter

Chair: Yukiharu Uraoka (Nara Institute of Science and Technology)

Vice-Chair: Takashi Nakamura (Rohm Co., Ltd.)

Secretary: Toshihiko Maemoto (Osaka Institute of Technology)

Treasurer: Ken Nakahara (Rohm Co., Ltd.)

SSCS (Solid-State Circuits Society) Kansai Chapter

Chair: Minoru Fujishima (Hiroshima University)

Vice-Chair: Hideto Hidaka (Renesas Electronics Corp.)

Secretary: Takeshi Yoshida (Hiroshima University)

Treasurer: Koji Kai (Panasonic Corp.)

CASS (Circuits and Systems Society) Kansai Chapter

Chair: Masahiro Numa (Kobe University)

Vice-Chair: Yasuaki Kuroe (Kyoto Institute of Technology)

Secretary: Masahiro Wada (Konan University)

Treasurer: Hiroyuki Ochi (Kyoto University)

APS (Antennas and Propagation Society) Kansai Chapter

Chair: Tadahiko Maeda (Ritsumeikan University)

Vice-Chair: Tokio Taga (Kwansei Gakuin University)

Secretary: Atsushi Yamamoto (Panasonic Corp.)

Treasurer: Hidehisa Shiomi (Osaka University)

COMS (Communications Society) Kansai Chapter

Chair: Hiroyuki Kumazawa (Mitsubishi Electric Corp.)

Vice-Chair: Minoru Okada (Nara Institute of Science and Technology)

Secretary: Takeshi Higashino (Nara Institute of Science and Technology)

Treasurer: Kazuo Kumamoto (Osaka Institute of Technology)

CS (Computer Society) Kansai Chapter

Chair: Hiroyuki Tomiyama (Ritsumeikan University)

Vice-Chair: Yoshio Okada (IBM Japan)

Vice-Chair: Hideaki Minamide (Mitsubishi Electric Corp.)

Secretary: Akihiko Inoue (Panasonic Corp.)

Treasurer: Tomonori Izumi (Ritsumeikan University)

MTTS (Microwave Theory and Techniques Society) Kansai Chapter

Chair: Yohei Ishikawa (Kyoto University)

Vice-Chair: Toshio Ishizaki (Ryukoku University)

Secretary: Yasushi Horii (Kansai University))

Secretary: Tetsuya Ueda (Kyoto Institute of Technology)

Treasurer: Shoichi Kitazawa (Advanced Telecommunications Research Institute International)

PHOS (Photonics Society (formerly LEOS)) Kansai Chapter

Chair: Susumu Noda (Kyoto University)

Vice-Chair: Kazuyoshi Itoh (Osaka University)

Secretary: Atsushi Sugitatsu (Mitsubishi Electric Corp.)

Treasurer: Tomoaki Kato (NEC Corp.)

SPS (Signal Processing Society) Kansai Chapter

Chair: Atsushi Nakamura (Nippon Telegraph and Telephone Corp.)

Vice-Chair: Hiroshi Sawada (Nippon Telegraph and Telephone Corp.)

Secretary: Takaaki Hori (Nippon Telegraph and Telephone Corp.)

Treasurer: Tomoki Toda (Nara Institute of Science and Technology)

CES (Consumer Electronics Society) Kansai Chapter

Chair: Tadashi Sakamoto (Renesas Solutions Corp.)

Vice-Chair: Akiko Yoshida (Sharp Corp.)

Secretary/Treasurer:

Tomohiro Hase (Ryukoku University)

CSS (Control Systems Society) Kansai Chapter

Chair: Kenji Sugimoto (Nara Institute of Science and Technology)

Vice-Chair: Tomomichi Hagiwara (Kyoto University)

Secretary Kiminao Kogiso (Nara Institute of Science and Technology)

Treasurer: Yoshio Ebihara (Kyoto University)

**A-5 Administrative Meetings**

The Kansai Section had the following six executive committee meetings in 2012.

1. 1st executive committee meeting Date: January 16

Place: Sumitomo Building Attendees: 11

Issue: 2012 Annual Meeting of Kansai Section

1. 2nd executive committee meeting Date: February 14

Place: Sumitomo Building Attendees: 9

Issues: 2012 Annual Meeting of Kansai Section

Annual reports, Section support by Japan Council

1. 3rd executive committee meeting Date: May 11

Place: Sumitomo Building Attendees: 12

Issues: Meeting report of the 1st Japan Council Excom meeting

Meeting report of the Region 10 annual meeting

Assignment of ENC Chair, Technical Tour of Japan

Meeting report of the MDC/SAC joint meeting

1. 4th executive committee meeting Date: June 29

Place: Sumitomo Building Attendees: 12

Issues: Interim Action Report of Kansai Section

Assignment of ENC Committees, Kansai LMAG

Report of Technical Tour of Japan, Interim financial report

1. 5th executive committee meeting Date: September 10

Place: Sumitomo Building Attendees: 11

Issues: Meeting Report of the 2nd Japan Council Excom meeting

Kansai Section GOLD Award and Kansai Section Student Paper Award

LMAG activities, English Presentation Competition

Section chapter

6. 6th executive committee meeting Date: December 19

Place: Sumitomo Club Attendees: 11

Issues: 2012 activities and 2013 plans of Kansai Section, Committees and Chapters

Examination results of Kansai Section GOLD Award

Examination results of Kansai Section Student Paper Award

2012 new Senior Members

2013 new Fellows

Meeting Report of the 3rd Japan Council

**Part B. Organizational Activities in 2012**

**B-1 Membership Development Committee**

The Chair of the Membership Development Committee encourages committee members to recruit new members. The numbers of the various types of members in the Section as of December 14, 2012 are as follows:

|  |  |  |
| --- | --- | --- |
| Grade | Grade Code | Number |
| Honorary Member | HM | 0 |
| Life Fellow | LF | 44 |
| Fellow | F | 40 |
| Life Senior Member | LS | 10 |
| Senior Member | SM | 121 |
| Pending Senior Member | PS | 0 |
| Life Member | LM | 59 |
| Member | M | 1,629 |
| Pending Member | PM | 0 |
| Life Associate | LA | 0 |
| Associate Member | AM | 87 |
| Graduate Student Member | GSM | 314 |
| Student Member | StM | 68 |
| Total |  | **2,372** |
| IEEE Society Affiliate | AF | 144 |



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

1. Announce the benefits of IEEE membership.
2. Increase the number of Senior Members in the Kansai Section. (Statistics indicate that Senior Members have a higher probability of maintaining their membership.)

For this reason, the Kansai Section gives the IEEE Kansai Section Medal to new Senior Members and provides an application for Senior Member grade on our website.

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Photo 1. IEEE Kansai Section Medal recipients

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 12, 2013.

**B-2 Nominations Committee**

The Nominations Committee asked Fellow members in the Kansai Section to recommend Fellow upgrade candidates. Two members were endorsed from the Kansai Section, but unfortunately resulting in no new Fellows in the Kansai Section in 2013. We sent Emails to all Senior Members to inform the procedure for Fellow membership. We also published the procedure on the Section Web page.

**B-3 Student Activities Committee**

The Student Activities Committee planned the Kansai Section Student Paper Award 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 7 award winners in 2012.

The Kansai Section has six student branches: Osaka University, Kyoto University, Ritsumeikan University, NAIST (Nara Institute of Science and Technology), the University of Hyogo, and Kansai University. In order to extend their activities, Doshisha University branch is planned to be organized (and it has been approved in January 2013). These branches held a Student Branch Exchange Meeting in December 2012 at Osaka University as done in the past. The Student Branch of Ritsumeikan University held its annual English Presentation Competition in October 2012. It had 20 presentations in total and 74 attendees joined from student branches of the Kansai Section. Excellent presenters were awarded a special prize by the Student Activities Committee.

Furthermore, we held joint meetings with the Membership Development Committee and provided activity support for GOLD Award members and female members.

**B-4 Awards Committee**

The 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 contribute to IEEE Kansai Section activities. The 2012 Kansai Section GOLD Award and the IEEE Kansai Section Medal engraved with the awardee’s name, was presented to Mr. Yoshiki Higo (Osaka University) at the annual section meeting on February 12, 2013.

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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 present their research results at IEEE international conferences or in IEEE Transactions. We selected 7 winners of this award in 2012.

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Photo 3. IEEE Kansai Section Student Paper Award

The IEEE Kansai Section Student Paper Award was presented to the 7 winners in a commendation ceremony at the annual section meeting on February 12, 2013.

**B-5 Chapter Operations Committee**

The Chapter Promotion Committee was established in 2006 and later reorganized as the Chapter Operations Committee in 2008 with the aim of organizing new chapters and supporting chapters in the Kansai Section. In addition to the three existing chapters, four new Kansai Chapters in 2006, two Kansai Chapters in 2007, and one new Chapter in 2008 were formed. In 2011, the Control Systems Kansai Chapter was formed. At present, the Kansai Section has eleven Kansai Chapters in all.

**B-6 Professional Activities by Technical Program Committee**

**Lectures:**

1. Lecturers: Dr. Naonori Ueda (NTT Corp.)

Dr. Kazuo Kyuma (Mitsubishi Electric Corp., IEEE fellow)

Title: Technology Strategy for Global/Cyber Physical Age

Date: January 25, 2012

Place: TKP Osaka Honmachi Business Center

1. Lecturer: Prof. Syuichi Adachi (Keio University)

Title: Commemorative Lecture for the Establishment of

IEEE Control Systems Society (CSS) Kansai Chapter

Date: March 16, 2012

Place: Nara Prefectural Culture Hall

1. Lecturers: Prof. Tulay Adali (University of Maryland)

Dr. Mike Schuster (Google)

Title: CREST Symposium on Human-Harmonized Information

Technology --- Behavior, Interaction, Music, and UGC ---

Date: April 2, 2012

Place: Kyoto University Clock Tower Centennial Hall

1. Lecturers: Dr. Anthony Vetro (Mitsubishi Electric Research, IEEE fellow)

Dr. Petros T. Boufounos (Mitsubishi Electric Research)

Title: Compressive Sensing in Practice

Date: April 3, 2012

Place: NTT Keihanna Building

1. Lecturers: Prof. Kukjin Chun (Seoul National University)

Title: A Case Study of IT Convergence: Multi Mode/Band Transceiver

Date: July 20, 2012

Place: Osaka University

1. Lecturers: Mr. Deepak Mathur (Oil and Natural Gas Corporation Ltd.)

Title: Humanitarian Technology

Date: August 2, 2012

Place: Kyoto University

##### Workshops in cooperation with other institutes:

- IMFEDK2012 (International Meeting for Future of Electron Devices, Kansai)

Dates: May 9-12, 2012

Place: Centenary Memorial Hall of Kansai University, Osaka, Japan

- Kansai-section Joint Convention of Institutes of Electrical Engineering

Dates: December 9-11, 2012

Place: Chisatoyama Campus, Kansai University, Osaka, Japan

**B-7 Chapter Activities**

We currently have 11 chapters. Most chapters have been very active. The EDS Kansai Chapter had 6 technical meetings; the SSCS Kansai Chapter had 18 technical meetings; the CASS Kansai Chapter had 10 technical meetings; the APS Kansai Chapter had 2 technical meetings; the COMS Kansai Chapter had 2 technical meetings; the CS Kansai Chapter had 2 technical meetings; the MTTS Kansai Chapter had 8 technical meetings; the Photonics Society (formerly LEOS) Kansai Chapter had 4 technical meetings; the SPS Kansai Chapter had 4 technical meetings; the CES Kansai Chapter had 2 technical meetings, and the CSS Kansai Chapter had 7 technical meetings.

**B-8 Life Members Affinity Group Activities**

The Kansai LMAG was approved on June 8, 2012. We had the inaugural meeting in December 19, 2012. In the meeting, the newly selected officers were approved and a new action plan was discussed, and then, two special talks were presented by the guests from Japan Council and Region 10. The action plan was officially approved at the LMAG annual meeting which was held on February 12, 2013.

**Part C. Goals and Action Plans in 2013**

**C-1 Executive Meetings**

We will have five executive committee meetings this year.

**C-2 Membership Development Committee**

The MDC members will try to increase membership in their organizations.

**C-3 Nominations Committee**

The NC will nominate Fellow upgrade candidates.

**C-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.

**C-5 Awards Committee**

The AC will conduct the selection process for the IEEE Kansai Section GOLD Award and IEEE Kansai Section Student Paper Award.

**C-6 Chapter Operations Committee**

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

**C-7 Technical Program Committee**

The TPC will hold several Technical Lectures.

**C-8 Life Members Affinity Group**

The newly formed LMAG will hold lectures in corporation with the TPC of Kansai Section and the History Committee of Japan Council. The LMAG will publish Kansai-LMAG Newsletter on the Kansai Section Web page as well as send it to the LMAG members by Email.

**C-9 Chapters**

Each chapter will hold various events including technical lectures and workshops.

**C-10 Workshops in cooperation with other institutes**

- IMFEDK2013 (International Meeting for Future of Electron Devices, Kansai)

Dates: June 5-6, 2013

Place: Centenary Memorial Hall of Kansai University, Osaka, Japan

- Social Entrepreneurship: Post-311 Challenges toward Reconstruction and Revitalization of Japan

Date: April 23, 2013

Place: Hilton Hotel, Osaka, Japan

**Part D. Others**

**D-1 New Website**

The Kansai Section website was renovated and reopened from September 2011. Since then, it has been actively updated. The link is the same as before.

Please visit <http://www.ieee-jp.org/section/kansai/>english or http://ewh.ieee.org/r10/kansai/.

**D-2 IEEE Technical Tour of Japan**

The Technical Tour of Japan was held from May 20 to May 28, 2012 with 27 participants. The first three days were in the Kansai Section area. There are four sites of IEEE Milestones in the Kansai Section area: (1) Pioneering Work on Electronic Calculators (2005), (2) Railroad Ticket Examining System (2007), (3) Kurobe River No.4 Hydropower Plant (2009), and (4) Commercialization and Industrialization of Photovoltaic Cells (2009). The site of Electronic Calculators and PV Cells, and several historical heritages were visited.

Day 1 (Sunday, 5/20) Arrive in Kyoto

–Arrive at a hotel in Kyoto

Day 2 (Monday, 5/21) Sharp Museum and historical heritages in Nara

–Sharp Historical Hall (two Milestones: Electronic Calculators and PV Cells) in Tenri, Nara

–Great Buddha of Todaiji Temple, Kofukuji Temple, Kasuga Shrine, Heijo-kyo

–Nara National Museum

–Welcome party in Kyoto with the participants and members from the Kansai Section

Day 3 (Tuesday, 5/22) Keage Power Station and cultural heritages in Kyoto

–Keage Hydraulic Power Station and Biwa Canal (Milestone candidate)

–Nanzenji Temple, Heian Shrine, Kinkaku Temple

–Miyako-odori (traditional dance show)

**D-3 IEEE Officers from the Kansai Section**

Dr. Hirohisa Kawamoto

　　Member, IEEE History Committee (2012, 2013)

Prof. Isao Shirakawa

　　Member, IEEE Honorary Membership Committee (2012, 2013)

　　Member, IEEE History Committee (2012)

Prof. Masaki Koyama

　　Member, IEEE Admission and Advancement Committee (2012, 2013)

[ANNEX I]

Table 1. Financial Report for 2012

1. Receipts

(Yen)

|  |  |  |
| --- | --- | --- |
| **# IEEE Entities** | **4,360,579** |  |
| Section Rebate (IEEE Headquarters) | 971,970 | $12,183.27 |
| Section Assessments (IEEE Headquarters) | 3,111,726 | $38,863.72 |
| Student Branch Rebate | 56,383 | $686.00 |
| Reimbursement for Audit fee (IEEE MGA) | 220,500 | External Audit |
| **# Section Support** | **801,855** |  |
| Section Support (Japan Council) | 112,455 | GOLD Awards |
| Section Support (Japan Council) | 352,000 | Student Paper Awards |
| Section Support (Japan Council) | 87,400 | Kansai Section Medals |
| Section Support (Japan Council) | 20,000 | Student Branch |
| Banquet participation fees | 210,000 | Annual Meeting |
| Reception participation fees | 20,000 | Technical Tour of Japan (TTJ) |
| **# Interest** | **202** |  |
| **# Surplus (brought forward)** | **1,110,908** |  |
| **Total** | **6,273,544** |  |

2. Expenses

(Yen)

|  |  |  |
| --- | --- | --- |
| **# IEEE Entities** | **3,343,542** |  |
| Japan Council | 3,108,726 | Contribution for Section Assessments |
| Chapter Rebates | 178,433 | $2,280.00 |
| Student Branch Rebates | 56,383 | 5 STBs |
| **# Meetings & Awards** | **1,502,692** |  |
| Annual Meeting | 333,002 | Room charges, banquet expenses, etc. |
| Technical Lectures | 112,580 | Room charges, honorarium to lecturers, etc. |
| Executive Committee Meetings | 231,747 | Room charges, etc. |
| Committee Meetings | 191,400 | Two MDC/SAC joint meetings and a meeting for TTJ |
| GOLD Awards | 112,455 | Plaques |
| Student Paper Awards | 378,508 | Awards, certificates |
| Section Medals | 87,400 | Japan Mint |
| Student Branch Support | 55,600 | Ritsumeikan University |
| **# Management & General** | **249,980** | Including external audit 220,500 |
| **# Others** | **16,256** | Bank Fees |
| **# Surplus** | **1,161,074** |  |
| **Total** | **6,273,544** |  |