2013 IEEE Kansai Section Report

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Chair of the IEEE Kansai Section
Kyoto University

PART A. SECTION SUMMARY

A-1 Section Highlights

The IEEE Kansai Section was established in November 1998. As of January, 2014, it comprises of 2,355 members (see B-1).

In 2013, we had five executive committee meetings, an annual section meeting and six technical meetings. Most of the 11 technical chapters in the section were active. The newly formed LMAG (Life Members Affinity Group) made a good start in 2013. We filed a petition to form WIE Affinity Group in October, 2013, which was approved in January, 2014. From the section, three IEEE milestones were proposed and two of them have been approved and are waiting for dedication ceremonies. CE (Consumer Electronics) Society Kansai Chapter is reformed as CE Society West Japan Joint Chapter.

In 2014, we already had an annual section meeting and two executive committee meetings.

A-2 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-3　Affinity Group Officers (2013-2014)

Life Members Affinity Group

Chair:　　　 Masaki Koyama (past Nara Institute of Science and Technology)
Vice-Chair:　Masahiro Hashimoto (past Osaka Electro-Communication University)
Secretary:　 Masatsugu Kidode (past Nara Institute of Science and Technology)

        Chair: Michiko Inoue (Nara Institute of Science and Technology)
        Vice-Chair: Shoko Araki (Nippon Telegraph and Telephone Corporation)
                        Etsuko Ueda (Nara National College of Technology)
        Secretary: Yukiko Yanagawa (Osaka University)
        Treasurer   Miho Ohsaki (Doshisha University)

A-3   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 (Ritsumeikan 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) 2013
                        Yasuyuki Maekawa (Osaka Electro-Communication University) 2014

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) 2013
                        Toshio Ishizaki (Ryukoku University) 2014
        Vice-Chair: Toshio Ishizaki (Ryukoku University) 2013
                        Takuo Kashiwa (Furuno Electric Co., Ltd.) 2014
        Secretary: Yasushi Horii (Kansai University)) 2013
        Secretary: Tetsuya Ueda (Kyoto Institute of Technology) 2013-2014
        Treasurer: Shoichi Kitazawa (Advanced Telecommunications Research Institute
                        International) 2013
                        Tomohiko Mitani (Kyoto University) 2014

PHOS (Photonics Society (formerly LEOS)) Kansai Chapter
Chair:	Susumu Noda (Kyoto University) 2013
	Atsushi Sugitatsu (Mitsubishi Electric Corp.) 2014
Vice-Chair:	Kazuyoshi Itoh (Osaka University) 2013
	Shogo Ura (Kyoto Institute of Technology) 2014
Secretary:	Atsushi Sugitatsu (Mitsubishi Electric Corp.) 2013
	Tomoaki Kato (NEC Corp.) 2014
Treasurer:	Tomoaki Kato () 2013
	Hiroshi Murata (Osaka University) 2014

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.) 2013
	Tomohiro Hase (Ryukoku University) 2014
Vice-Chair:	Akiko Yoshida (Sharp Corp.) 2013
	Shingo Yamaguchi (Yamaguchi University) 2014
Secretary:	Tomio Goto (Nagoya Institute of Technology) 2014
Treasurer:	Tadashi Sakamoto (Renesas Solutions Corp.) 2014
Secretary/Treasurer:	
	Tomohiro Hase (Ryukoku University) 2013

CSS (Control Systems Society) Kansai Chapter
Chair:	Kenji Sugimoto (Nara Institute of Science and Technology) 2013
	Tomomichi Hagiwara (Kyoto University) 2014
Vice-Chair:	Tomomichi Hagiwara (Kyoto University) 2013
	Yasumasa Fujisaki (Osaka University) 2014
Secretary	Kiminao Kogiso (Nara Institute of Science and Technology) 2013
	Yoshio Ebihara (Kyoto University) 2014
Treasurer:	Yoshio Ebihara (Kyoto University) 2013
	Kenji Kashima (Kyoto University) 2014

A-4 Administrative Meetings

The Kansai Section had the following five executive committee meetings in 2013.

1. 1st executive committee meeting   Date: January 21
   - Place: Sumitomo Building   Attendance: 15
   - Issues: 2013 Annual Meeting of Kansai Section
   - Annual Section Report

2. 2nd executive committee meeting   Date: February 12
   - Place: Campus Plaza Kyoto   Attendance: 11
   - Issue: 2013 Annual Meeting of Kansai Section

3. 3rd executive committee meeting   Date: May 30
   - Place: Campus Plaza Kyoto   Attendance: 14
   - Issues: New criteria for Student Paper Award selection
     - Petition of WIE AG Kansai
     - The first term Activity Report of Kansai Section
     - Report of the Region 10 annual meeting
     - Report of the 1st Japan Council Excom meeting
     - Report of the first Japan Council Chapter Operations Committee meeting
     - Report of the first MDC/SAC joint meeting
     - Report of Inaugural Meeting of Doshisha University Student Branch

4. 4th executive committee meeting   Date: September 11
   - Place: Campus Plaza Kyoto   Attendance: 14
   - Issues: Call for GOLD Award and Student Paper Award
     - MU Radar: a new IEEE Milestone proposal
     - Formation of CE West Japan Joint Chapter from CE Kansai Chapter with Kansai Section as its administrative parent
     - Formation of IE All Japan Joint Chapter from IE JC Chapter with Kansai Section as its administrative parent
     - Report of the 2nd Japan Council Excom meeting

5. 5th executive committee meeting   Date: December 20
   - Place: Campus Plaza Kyoto   Attendance: 14
   - Issues: GOLD Award and Section Student Paper Award Selections
     - 2013 activities and 2014 plans of Kansai Section, Committees and Chapters
     - Report of the 3rd Japan Council Excom meeting
     - 2013 new Senior Members, and 2014 new Fellows

A-5 Financial Report

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

1. Receipts

(Yen)

# IEEE Entities	5,221,789	
Section Rebate (IEEE Headquarters)	1,273,348	$12,970.28
Section Assessments (IEEE Headquarters)	3,833,657	$38,305.90
Student Branch Rebate	79,585	$868.00
LMAG 2012	35,199	$413.05
# Section Support	520,687	
Section Support (Japan Council)	17,217	GOLD Medal
Section Support (Japan Council)	154,000	Student Paper Awards
Section Support (Japan Council)	87,270	Kansai Section Medals
Section Support (Japan Council)	50,000	Student Branch
Banquet participation fees	212,000	Annual Meeting
# Interest	200	
# Surplus (brought forward)	1,161,074	
Total	**6,903,550**	

2. Expenses

(Yen)

# IEEE Entities	4,188,914	
Japan Council	3,833,237	Contribution for Section Assessments
Chapter Rebates	267,352	$2,720.00
Student Branch Rebates	88,325	5 STBs
# Meetings & Awards	970,934	
Annual Meeting	254,602	Room charges, banquet expenses, etc.
Technical Lectures	10,000	honorarium to a lecturer
Executive Committee Meetings	209,680	Room charges, etc.
Committee Meetings	153,338	Two MDC/SAC joint meetings and a meeting of SB
GOLD Awards	17,217	Medal
Student Paper Awards	140,000	Awards
Section Medals	87,270	Japan MINT
Student Branch Support	68,827	Ritsumeikan University
LMAG Support	30,000	honorarium to a lecturer
# Management & General	12,230	
# Others	6,615	Bank Fees
# Surplus	1,724,857	
Total	**6,903,550**	

Part B. Organizational Activities in 2013

B-1　Membership Development Committee

The member statistics by grade in the section as of January, 2014 are as follows:

Grade	Grade Code	Number
Honorary Member	H	1
Life Fellow	LF	45
Fellow	F	35
Life Senior Member	LS	14
Senior Member	SM	113
Pending Senior Member	PS	0
Life Member	LM	64
Member	M	1,604
Pending Member	PM	0
Life Associate	LA	0
Associate Member	AM	62
Graduate Student Member	GSM	288
Student Member	StM	129
Total		**2,355**
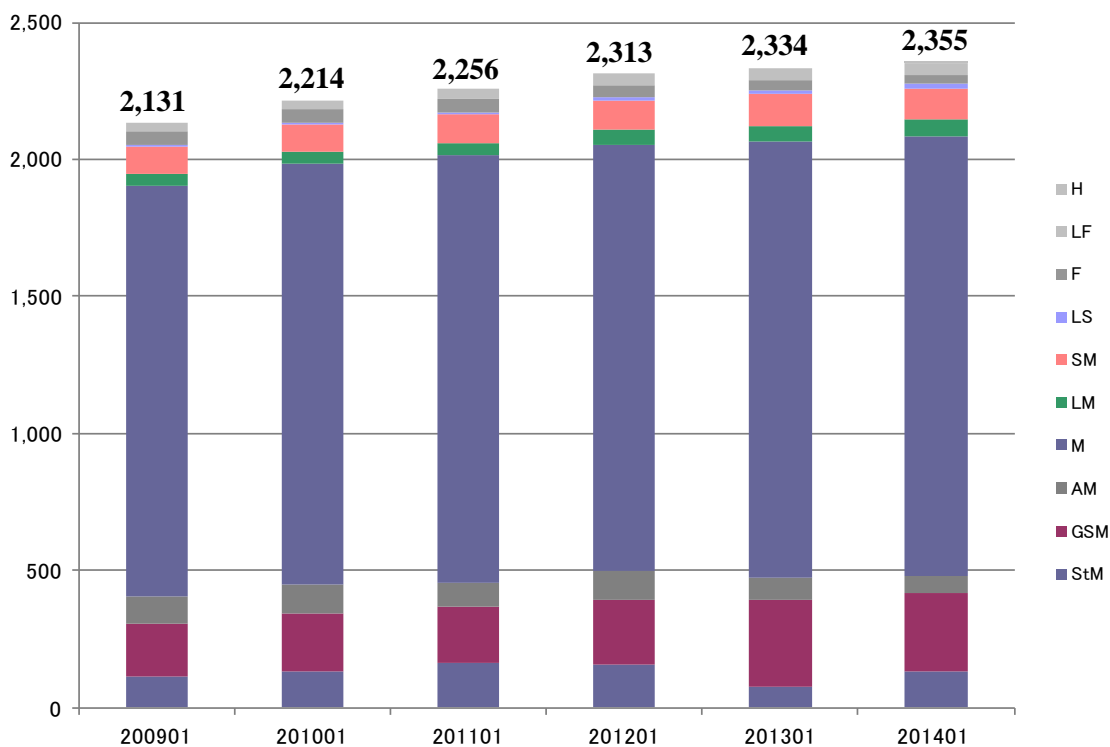
The Membership Development Committee has actively pursued the following projects to increase the number of IEEE members in the Kansai Section in corporation with Student Activities Committee.

1. MDC organized the MDC and SAC joint workshops to announce the benefits of IEEE membership and to make a smooth transition for students from student membership to standard membership when graduated. The workshops were held twice in April and October, 2013.
2. MDC periodically reviewed the membership statistics in major organizations and share them with the MDC members who belonged to those organizations.
3. MDC recruited new MDC members from major organizations that did not supply MDC members before. Two new members were joined to MDC and two new members to SAC.
4. MDC increased the number of Senior Members in the Kansai Section. (Statistics

indicate that Senior Members have a higher probability of maintaining their membership.)

For this purpose, the Kansai Section gives the IEEE Kansai Section Medal to new Senior Members and provides application instructions for Senior Member grade on the section's website.

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 eight new Senior Members at the annual section meeting (four of them were shown in the photo above) on February 17, 2014.

B-2   Nominations Committee

The Nominations Committee asked Fellow members in the Kansai Section to recommend Fellow upgrade candidates. A few members were endorsed from the Kansai Section, resulting in two new Fellows in the Kansai Section in 2014. The two Fellows gave short presentations at the section annual meeting on February 17, 2014. We sent Emails to all Senior Members to inform the procedure for Fellow membership. We also published the procedure on the section Web page.

Photo 2. New Fellows, Dr. Ishibuchi (left) and Dr. Shimizu (right),
gave presentations at the section annual meeting

B-3   Student Activities Committee

The Student Activities Committee formulated 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 eight award recipients in 2013.

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 Doshisha University branch was

approved in January 2013 and had its inaugural meeting in April, 2013. These branches held a Student Branch Chair Meeting in 2013. The Student Branch of Ritsumeikan University held its annual English Presentation Competition in October 2013. It had 17 presentations in total and 70 attendees joined from student branches of the Kansai Section. Excellent presenters were awarded a special prize by the Student Activities Committee. A few members from student branches of the Kansai Section attended at the Student Branch Leadership Training Workshop which was held at Tohoku University.

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

Photo 3. Left: a photo taken after the inaugural meeting of Doshisha University student branch in April, 2013, Right: annual English Presentation Competition at Ritsumeikan University in October 2013

B-4　Awards Committee

The Awards Committee established the IEEE Kansai Section GOLD Awards in 2001. Since 2009, this award has been presented not only to students or young researchers, but also to young engineers in industries who has contributed to IEEE Kansai Section activities. The 2013 Kansai Section GOLD Awards were presented to Hirosato Seki (Kwansei Gakuin University) and Masataka Yamashita (Doshisha University) at the annual section meeting on February 17, 2014. They were presented the IEEE Kansai Section Medals engraved with the awardee's name as a prize.

Photo 4. IEEE Kansai Section GOLD Awards

In 2004, we also established new awards for students, the Kansai Section Student Paper Awards. The awards are for student members who present their research results at IEEE international conferences or in IEEE Transactions. We selected eight recipients of the awards in 2013. The awards were presented in a commendation ceremony at the annual section meeting on February 17, 2014.
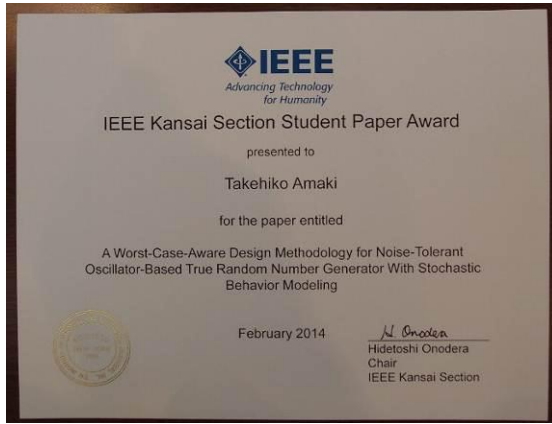
Photo 5. IEEE Kansai Section Student Paper Awards

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. In January 2014, the CE (Consumer Electronics) Society Kansai Chapter was expanded and reformed as the CE Society West Japan Joint Chapter.

B-6   Professional Activities by Technical Program Committee

● **Technical meetings**
 The section organized the following six technical meetings.

1. Lecturer: Prof. Kiyohiro Shikano (Nara Institute of Science and Technology, IEEE Fellow)
   Title: Acoustic signal processing research in Keihanna: Past and Future
   Date: March 19, 2013
   Place: Advanced Telecommunications Research Institute International (ATR), Kyoto

2. Lecturer: Prof. Li Ping (City University of Hong Kong, IEEE fellow)
   Title: Decentralized Power Control for Random Access with Multi-User Detection
   Date: April 8, 2013
   Place: Doshisha University, Kyoto

3. Lecturer: Prof. Laurence Anthony (Center for English Language Education in Science and Engineering (CELESE), Faculty of Science and Engineering, Waseda University)
   Title: English Language Education in Science and Engineering
   Date: June 24, 2013
   Place: Kansai University, Osaka

4. Lecturer: Prof. Yoshihiro Okada (Ryukoku University)
   Title: Advanced ICT for Digital Conservation of Cultural Assets
   Date: September 27, 2013
   Place: Ryukoku Museum and Nishi Honganji Temple, Kyoto

5. Lecturer: Prof. Aapo Hyvarinen (University of Helsinki)
   Title: Independent Comporment Analysis: Basic Theory and Recent Advances
   Date: October 11, 2013
   Place: NTT Communication Science Laboratories, Kyoto

6. Lecturers: Mr. Junji Sugawa (Takenaka Corporation), Mr. Keigo Nomoto (Toshiba)
   Title: The concept, Anti-Vibration technology, and super high speed elevator technology

Date: November 15, 2013
Place: Abeno HARUKASU Building, Osaka

- **Workshops in cooperation with other institutes**
  The section supported the following 4 workshops.

  - Social Entrepreneurship: Post-311 Challenges toward Reconstruction and
    Revitalization of Japan
    Organizer(s): Consulate General of the United States, Osaka-Kobe
    Date: April 23, 2013
    Place: Osaka Hilton Hotel, Osaka, Japan
  - IMFEDK2013 (International Meeting for Future of Electron Devices, Kansai)
    Organizer(s): IEEE EDS Kansai Chapter
    Dates: June 5-6, 2013
    Place: Centenary Memorial Hall of Kansai University, Osaka, Japan
  - CRDF Weekend Workshop of English for Specific Purposes
    Organizer(s): CRDF Global
    Dates: November 8-10, 2013
    Place: Pueblo Amigo, Shima, Japan
  - Kansai-section Joint Convention of Institutes of Electrical Engineering
    Dates: November 9-11, 2013
    Place: Neyagawa Campus, Osaka Electro-Communication University,
    Osaka, Japan

- **IEEE Region 10 Humanitarian Technology Conference 2013**
  The IEEE Region 10 Humanitarian Technology Conference 2013 was held in Sendai,
  Japan at Tohoku University Kawauchi-North Campus from August 26th to 29th, 2013. The
  theme of the conference was "Lessons Learned from Japan's 2011 earthquake and other
  Natural disasters." It was organized by R10-HTC2013 Organizing Committee, and co-
  sponsored by IEEE Humanitarian AdHoc Committee Region 10, Japan Council and nine
  IEEE Sections all Japan (Kansai, Fukuoka, Hiroshima, Nagoya, Sapporo, Sendai, Shikoku,
  Sin-etsu and Tokyo).

B-7   Chapter Activities

We currently have 11 chapters. Most chapters have been very active and 10 chapters
reported required number of meetings during the year. The EDS Kansai Chapter had 5 technical
meetings; the SSCS Kansai Chapter had 12 technical meetings; the CASS Kansai Chapter
had 5 technical meetings; the APS Kansai Chapter had 3 technical meetings; the COMS
Kansai Chapter had 2 technical meetings; the CS Kansai Chapter had 2 technical meetings;
the MTTS Kansai Chapter had 6 technical meetings; the Photonics Society (formerly
LEOS) Kansai Chapter had 2 technical meetings; the SPS Kansai Chapter had 3 technical
meetings; the CES Kansai Chapter (now West Japan joint Chapter) had 3 technical
meetings, and the CSS Kansai Chapter had (unfortunately) 0 technical meetings.

MTT-S Kansai Chapter was awarded "IEEE MTT-S 2012 Outstanding Chapter
Recognition" for its local activities from MTT Society in IMS 2013, Seattle, USA, June
2013.

B-8   Affinity Group Activities

● Life Members Affinity Group

The first LMAG annual meeting was held on February 12, 2013. To kick-start Kansai
LMAG activities, we first collected a questionnaire survey from LMAG members to know
their interests and prospects for LMAG activities. We have found out that the LMAG
members want a wide range of activities rather than those focused on their technical
backgrounds. Therefore, in corporation with Kansai TPC, we held two technical meetings
with on-site tours, one in Ryukoku Museum and Nishi Honganji Temple in Kyoto on
September 27th, and the other in Abeno HARUKASU Building, the brand-new 60-story
skyscraper in Osaka on November 15th. We have hereby established a new style of "on-

site" technical meeting. We issued "Kansai-LMAG Newsletter" in May and December by email and on the Kansai Section WEB. Through these activities, we have developed up-to-date LMAG members' network.

Photo 6. Left: Kokei no niwa (Tiger glen garden) in Nishi Honganji temple,
Right: Abeno HARUKASU building, which was under construction

● **WIE Affinity Group**

We filed a petition to form WIE in 2013, which was approved in January, 2014.

B-9   Communication Activities

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 twenty items that were updated in 2013. The URL is http://www.ieee-jp.org/section/kansai/

We issued two newsletters in May and September, 2013. They reported section annual meeting and GOLD and student awards announcements and results as well as summaries and announcements of the past and upcoming technical meetings.

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

B-10   IEEE Milestones

We proposed three IEEE Milestones (Docket numbers: 2013-04, 2013-14 and 2013-29), two of which have been approved and are waiting for dedication ceremonies.

Part C. Goals and Action Plans in 2014

C-1   Executive Meetings

We will have six executive committee meetings this year. We already had two executive committee meetings in January and in February.

C-2   Membership Development Committee

The members in MDC will try to increase memberships in their respective 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 and extend existing chapters into joint chapters in the Kansai Section.

C-7   Technical Program Committee

The TPC will plan and hold several technical meetings.

C-8   Affinity Groups

- **Life Members Affinity Group**

The second LMAG annual meeting was held on February 17, 2014. We are planning a couple of attractive technical meetings (including "on-site" ones) in corporation with Kansai TPC and the new Kansai WIE. We will issue "Kansai-LMAG Newsletter" by email and on the Kansai Section WEB.

- **WIE Affinity Group**

The WIE AG will plan events and meetings aiming at encouraging women researchers and engineers to communicate and exchange useful information for issues such as work-life-balance in corporation with Kansai TPC and Kansai LMAG.

C-9 Chapters

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

C-10 Workshops in cooperation with other institutes

- IMFEDK2014 (International Meeting for Future of Electron Devices, Kansai)
    Dates: June 19-20, 2014
    Place: Avanti Kyoto Hall of Ryukoku University, Kyoto, Japan

Part D. Others

D-1 IEEE Officers from the Kansai Section

Dr. Hirohisa Kawamoto
  Member, IEEE History Committee (2013, 2014)
Prof. Isao Shirakawa
  Member, IEEE Honorary Membership Committee (2013, 2014)
Prof. Masaki Koyama
  Member, IEEE Admission and Advancement Committee (2013, 2014)