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 Minamid (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

2. 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

3. 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

4. 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

5. 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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Code</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honorary Member</td>
<td>HM</td>
<td>0</td>
</tr>
<tr>
<td>Life Fellow</td>
<td>LF</td>
<td>44</td>
</tr>
<tr>
<td>Fellow</td>
<td>F</td>
<td>40</td>
</tr>
<tr>
<td>Life Senior Member</td>
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<tr>
<td>Senior Member</td>
<td>SM</td>
<td>121</td>
</tr>
<tr>
<td>Pending Senior Member</td>
<td>PS</td>
<td>0</td>
</tr>
<tr>
<td>Life Member</td>
<td>LM</td>
<td>59</td>
</tr>
<tr>
<td>Member</td>
<td>M</td>
<td>1,629</td>
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<tr>
<td>Pending Member</td>
<td>PM</td>
<td>0</td>
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<tr>
<td>Life Associate</td>
<td>LA</td>
<td>0</td>
</tr>
</tbody>
</table>
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.

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.

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.

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
2. 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
3. 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
4. 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
5. 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
6. 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 CSS 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)
### Table 1. Financial Report for 2012

#### 1. Receipts

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<th># IEEE Entities</th>
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<tr>
<td>Section Rebate (IEEE Headquarters)</td>
<td>971,970</td>
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<td>Section Assessments (IEEE Headquarters)</td>
<td>3,111,726</td>
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<td>Student Branch Rebate</td>
<td>56,383</td>
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<td>Reimbursement for Audit fee (IEEE MGA)</td>
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<td><strong>Total</strong></td>
<td><strong>4,360,579</strong></td>
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#### Section Support

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<tr>
<td>Section Support (Japan Council)</td>
<td>112,455</td>
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<tr>
<td>Section Support (Japan Council)</td>
<td>352,000</td>
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<td>Section Support (Japan Council)</td>
<td>87,400</td>
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<tr>
<td>Section Support (Japan Council)</td>
<td>20,000</td>
</tr>
<tr>
<td>Banquet participation fees</td>
<td>210,000</td>
</tr>
<tr>
<td>Reception participation fees</td>
<td>20,000</td>
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<td><strong>Total</strong></td>
<td><strong>801,855</strong></td>
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#### Surplus (brought forward)

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#### Total

<table>
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<td><strong>Total</strong></td>
<td><strong>6,273,544</strong></td>
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#### 2. Expenses

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<td>Japan Council</td>
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<tr>
<td>Chapter Rebates</td>
<td>178,433</td>
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<tr>
<td>Student Branch Rebates</td>
<td>56,383</td>
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<td><strong>Total</strong></td>
<td><strong>3,343,542</strong></td>
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#### Section Support

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<td>Annual Meeting</td>
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<tr>
<td>Technical Lectures</td>
<td>112,580</td>
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<td>Executive Committee Meetings</td>
<td>231,747</td>
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<td>Committee Meetings</td>
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<tr>
<td>GOLD Awards</td>
<td>112,455</td>
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<td>Student Paper Awards</td>
<td>378,508</td>
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<td>Section Medals</td>
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<td>Student Branch Support</td>
<td>55,600</td>
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<td><strong>Total</strong></td>
<td><strong>1,502,692</strong></td>
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#### Management & General

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<td><strong>Total</strong></td>
<td><strong>249,980</strong></td>
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#### Others

<table>
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<th># Others</th>
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<td><strong>Total</strong></td>
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#### Surplus

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#### Total

<table>
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