PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Highlights
  - Held 9 sponsored, co-sponsored, and supported Technical Events (Lectures, Contest, and Seminars), and 5 Administrative Meetings including the General Assembly. (Details are in the Section B.3)
  - Held the 15th IEEE Hiroshima Student Symposium (HISS). (Details are in the Section B.4)

- List of 2013 Section Executive Committee Members and Officers
  - Officers [2013-2014]:
    Chair: Kenji Ishida (Hiroshima City University)  
    ishida@hiroshima-cu.ac.jp  
    Vice-Chair: Masanobu ABE (Okayama University)  
    abe@okayama-u.ac.jp  
    Secretary: Tomoyuki OHTA (Hiroshima City University)  
    tomoyuki.ohta@ieee.org  
    Treasurer: Isao NAKANISHI (Tottori University)  
    nakanishi@ele.tottori-u.ac.jp
  - Executive Committee Members [2013-2014]:
    Hideyuki ICHIHARA (Hiroshima City University)  
    ichihara@hiroshima-cu.ac.jp
    Nobuyuki Ito (Okayama Prefectural University)  
    nobby@c.oka-u.ac.jp
    Yoshio IWAI (Tottori University)  
    iwai@iike.tottori-u.ac.jp
    Kazuhito FUJIMORI (Okayama University)  
    fujimori@okayama-u.ac.jp
    Takahiro MATSUMOTO (Yamaguchi University)  
    matugen@yamaguchi-u.ac.jp
    Hiroaki MUKAIDANI (Hiroshima University)  
    mukaida@hiroshima-u.ac.jp
    Toshiyuki YOSHIDA (Shimane University)  
    yosisi@ecs.shimane-u.ac.jp
    Masashi HOTTAN (Yamaguchi University)  
    hotta@yamaguchi-u.ac.jp
PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Number of Members@ Dec. 2013: 514 [+19 from Dec. 2012]
  - Number of Members@ Dec. 2012: 495 [+74 from Dec. 2011]
  - Number of Members@ Dec. 2011: 421

* Excepting the number of Associate Members

Transition of number of members in Hiroshima Section.
B.2 Chapter Activities

- Total number of Chapters in the Hiroshima Section: 2
  a) Fukuoka/Hiroshima/Shikoku (West Japan) Chapter, EMB18
     Activities of EMB West Japan Chapter; Please refer the Fukuoka Section.
  b) Hiroshima Section Chapter, [SMC Hiroshima Chapter], SMC28
     [Activities of SMC Hiroshima Section Chapter]
     ✤ List of Chapter Officers of SMC [2013-2014]
       Chair: Takumi ICHIMURA (Prefectural University of Hiroshima)
       Vice Chair: Akira HARA (Hiroshima City University)
       Secretary: Keiichi TAMURA (Hiroshima City University)
       Treasurer: Tetsuya SHIGEYASU (Prefectural University of Hiroshima)

B.2-b)-I. Technical Activities(SMC):

- Quality and quantity of activities and programs sponsored by the chapter

<table>
<thead>
<tr>
<th>Meeting date</th>
<th>Title</th>
<th>Type</th>
<th>Number of participants (*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 13 July, 2013</td>
<td>Invited Lecture, Prof. T. Takahama</td>
<td>Technical</td>
<td>98(45)</td>
</tr>
<tr>
<td>2 13 July, 2013</td>
<td>2013 IEEE SMC Hiroshima Chapter Young Researchers' Workshop</td>
<td>Technical</td>
<td>98(45)</td>
</tr>
<tr>
<td>3 13 July, 2013</td>
<td>2013 IEEE 6th International Workshop on Computational Intelligence and Applications (IWClIA)</td>
<td>Technical</td>
<td>48(30)</td>
</tr>
<tr>
<td>4 15 Oct., 2013</td>
<td>Workshop on Innovative Technologies and Applications in Computer Intelligence in SMC2013</td>
<td>Technical</td>
<td>50(30)</td>
</tr>
<tr>
<td>5 30 Nov., 2013</td>
<td>2013 IEEE SMC Hiroshima Chapter Workshop</td>
<td>Technical</td>
<td>42(18)</td>
</tr>
<tr>
<td>6 30 Nov., 2013</td>
<td>Invited Lecture, Prof. T. Takahama</td>
<td>Technical</td>
<td>42(18)</td>
</tr>
<tr>
<td>7 14 Dec., 2013</td>
<td>Invited Lecture, Prof. M. Kanoh</td>
<td>Technical</td>
<td>23(12)</td>
</tr>
<tr>
<td>8 14 Dec., 2013</td>
<td>Invited Lecture, Prof. M. Ichimura</td>
<td>Technical</td>
<td>23(12)</td>
</tr>
</tbody>
</table>

(*) Number of participants of IEEE members

B.2-b)-II. Educational Activities(SMC):

- An educational program offering at least one tutorial, short course, lecture series, or other activity directly related to the tutorial education of its members.

B.2-b)-III. Membership Communication and Advancement(SMC)

- Growth of chapter membership

<table>
<thead>
<tr>
<th>Membership at last status report submitted</th>
<th>Current Membership</th>
<th>% Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>66</td>
<td>72</td>
<td>+9%</td>
</tr>
</tbody>
</table>

Other detailed activities report of SMC Hiroshima chapter can be found at following website.

http://www.smc-hiroshima.info.hiroshima-cu.ac.jp/eng/

B.3 Professional and Continuing Education Activities

- 2013 General Assembly of IEEE Hiroshima Section, Jan. 31, 2013
  (Hiroshima Garden Palace)
  Attendance: IEEE Members: 19 (letters of attorney; 56)
- Administrative Meetings: 4
  (1) The 1st Board of Directors on April 4, 2013 (Hiroshima City Youth Center)
      Attendance: Officers and Executive Committee Members: 13
  (2) The 2nd Board of Directors on June 1, 2013 (Tottori University)
      Attendance: Officers and Executive Committee Members: 13
  (3) The 3rd Board of Directors on Sept. 9, 2013 (Okayama University)
      Attendance: Officers and Executive Committee Members: 13
  (4) The 4th Board of Directors on Nov. 16, 2013 (Tottori University)
      Attendance: Officers and Executive Committee Members: 13
### Lectures and Events

(1) **Section sponsored Technical and Educational Lectures; 5**

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Attendance*</th>
</tr>
</thead>
</table>
| 31 Jan., 2013 | **Special Lecture at Hiroshima**  
Title: The Present and Future of Wireless Power Transfer  
Speaker: Dr. Ikuo Awai (Ryutech Corporation)  
Location: Hiroshima Garden Palace, Hiroshima, Hiroshima, Japan | 17(16)     |
| 1 June, 2013 | **Technical Lectures for Students at Tottori**  
Title: Go far in IEEE Hiroshima Student Symposium 2013  
Speaker: Prof. Masashi HOTTA (Yamaguchi University)  
Location: Tottori University, Tottori, Tottori, Japan | 25(10)     |
| 16 Nov., 2013 | **Technical Lectures at Tottori**  
Title: The present security in cyberspace and the situation over the international framework  
Speaker: Mr. Takahiro Sasaki (JAPAN SELF DEFENSE FORCE HIROSHIMA PROVINCIAL COOPERATION OFFICE)  
Location: Tottori University, Tottori, Tottori, Japan | 249(45)    |
| 17 Nov., 2013 | **Technical Lecture at Tottori**  
Title: Human friendly partner robots  
Organizer: Prof. Yoshio Iwai(Tottori University),  
Panelist: Prof. Shigeki Nakayama (Yonago National College of Technology), Mr. Kazuaki Nakamura(Okayama Prefectural University), Mr. Hiroshi Takahashi(Hiroshima City University)  
Location: Tottori University, Tottori, Tottori, Japan | 171(45)    |
| 16-17 Nov., 2013 | **Technical Symposium at Tottori**  
Title: The 15th IEEE Hiroshima Student Symposium (HISS)  
Location: Tottori University, Tottori, Tottori, Japan | 420(45)    |

(2) **Section co-sponsored or supported Technical Events; 4**

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Attendance*</th>
</tr>
</thead>
</table>
| 3 Oct., 2013 | **Co-sponsored Technical Lectures** - Organized by Hiroshima City University  
Title: Promotion of Practical Research and Development in the Field of Ad Hoc Networks  
Speaker: Prof. Kenichi Mase (Niigata University)  
Location: Hiroshima City University, Hiroshima, Hiroshima, Japan | 54(8)     |
| 24 Dec., 2013 | **Co-sponsored Technical Lectures** - Organized by Yamaguchi University  
Title: Three-Dimensional Complementary Coded Multi-User MIMO Systems  
Speaker: Prof. Hsiao-Hwa Chen (National Cheng Kung University, IEEE Fellow)  
Location: Yamaguchi University, Ube. Yamaguchi, Japan | 104(4)    |
| 5 March, 2013 | **Supported Technical Event** - Organized by Hiroshima University  
Title: International Workshop on Nanodevice Technologies 2013  
Location: Hiroshima University, Higashi-Hiroshima, Hiroshima, Japan |           |
| 17 Nov., 2012 | **Supported Technical Event** - Organized by IEICE Chugoku Section  
Title: Student "KEITAI" Award 2013 – Contest of Novel Idea and Applications for Mobile Phone and Tablet –  
Location: Tottori University, Tottori, Tottori, Japan |           |

*( ) indicates Number of IEEE members
B.4 Students Activities

- The 15th IEEE Hiroshima Student Symposium (HISS)
  In November 16 and 17, the 15th HISS was held at Tottori University, Tottori, Tottori, Japan. The number of attendance for the 15th HISS is about 420 (sum of two days). The contents of this symposium are as follows;
  - One keynote lecture and One panel discussion
  - 3 presentation from industrial company
  - 6 presentations from academic laboratories
  - One get together meeting for the students
  - Technical presentations (Number of Technical Presentations: 170)
  - On this symposium, following prizes are awarded;
    (a) Selected by the Nomination Committee of HISS Research Award.
      - HISS Best Research Award: 1
      - HISS Good Research Award: 19
    (b) Selected by the vote of attendances.
      - HISS Best Presentation Award: 1
      - HISS Good Presentation Awards: 3

- Recruitment of student members
  - Student members who joined HISS steering committee deserve additional prizes with their contribution awards
  - Establishment of encouragement system for presentation of the student members on the domestic conference.
  - Amend the supporting system for the presentation of the student members on the international symposium or conference. Such active IEEE student members deserve to receive grant (Max: 10,000Yen).

- Total number of Student branches  in Hiroshima Section: 1
  - Yamaguchi University Student Branch (YSB)
    - List of 2013 Officers of YSB
      - Chair: Hidenori TANAKA
      - Vice-chair: Masaki YAMANE
      - Treasurer: Naoki YAMAMOTO
      - Secretary: Shin-ichi NORIYASU
  - Number of Student branches formed in the current year: 0

B.6 Awards & Recognition Activities

- Award constituted by the section
  - The 15th HISS Distinguished Contribution Award: 16 students
  - The 15th HISS Distinguished Service Award: 26 students
B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Section Web site
  - [http://www.ieee-jp.org/section/hiroshima/index-e.html](http://www.ieee-jp.org/section/hiroshima/index-e.html) (in English)
- The web page of Yamaguchi University Student Branch:
  - [http://www.ieee-jp.org/section/hiroshima/YSB/](http://www.ieee-jp.org/section/hiroshima/YSB/) (will be appeared soon)
- The web page of IEEE SMC chapter in Hiroshima Section:
- The web page of IEEE EMBS West Japan Joint Chapter:
  - [http://www.ieee-jp.org/section/fukuoka/embwj/](http://www.ieee-jp.org/section/fukuoka/embwj/)
- The 15th HISS website (in Japanese):
  - [http://hiss15th.sakura.ne.jp/](http://hiss15th.sakura.ne.jp/)

PART C - OTHERS

C.1 Relationship with National Societies

- In Japan, we have very well-organized national technical societies for electrical, electronic and information engineering, e.g. Institute of Electronics, Information and Communication Engineers (IEICE). They also have local branches as well as the IEEE Sections.
- Hold technical lectures and events in co-operation with other national technical societies, such as IEICE or IEEJ (The Institute of Electrical Engineers of Japan) and so on, through their local branches around the Hiroshima Section, and also Universities.

C.2 Special Events

- IEEE Hiroshima Section Student Symposium (HISS)
  HISS is the one of unique event in IEEE Hiroshima Section whose purpose is to support the growth of students with independence and spirit of enterprise. HISS had two special characteristics; one is that students themselves carry out the planning and management of the symposium and the other is that all the technical papers in HISS are presented by students by the interactive sessions. The main theme of each HISS would be decided by the students. And also, based on the interest with students’ point of view, the topics of the Keynote Speech and the Technical Lecture in HISS are selected. The major part of the income of the symposium was obtained by support from Japan Council, Hiroshima Section, Electric Technology Research Foundation of Chugoku, some sections of domestic technical societies, and presenters’ submission fee.
  The IEEE Hiroshima Section hope to grow this HISS to surrounding sections and it to be the one of unique event in Japan or R10 in near future.

PART D - GOALS AND PLANS

D.1 Continuation of Project/Activity in Progress and Their Implementation Plans

1. General Assembly
   - Annual meeting plan to hold at Hiroshima on January 28, 2014.
2. Board of Directors
   - Four committee meetings plan to hold.
3. The 16th Hiroshima Student Symposium (HISS)
   - The 16th HISS plan to hold at Hiroshima City University, Hiroshima, Japan on November, 2014.
4. Technical Lectures
   - Planning at least 5 Sponsored Technical Lectures and at least 6 co-sponsored or supported Technical Lectures and/or Forums with other National Societies in Japan.
5. Encouragement of student members
   - Strongly encourage the student members to present their research work at the international and also the domestic conferences or symposium.
D.2 Goals and Future Plans
- Our goal is to develop the number of active members and to be a useful organization for already existing members.
- We are planning the 16th Hiroshima Student Symposium (HISS) at Hiroshima.
- We try to find the system for active communications between academic and company members.

D.3 Standing Committees Activities
(1) Membership Development & Student Activities Committees
  - Promote to join the IEEE at the IEEE Hiroshima Student Symposium (HISS).
  - Encouraging the researchers and also the student in Hiroshima Section to be member or student member of IEEE.
(2) Student Activity Committee
  - Promotion for the use of a grant (Max.: 10,000JPY) to active IEEE student members.
    We encourage the student members to present their work at the domestic and/or international symposia.
  - We plan to establish new student branch and also encourage the activities of existing student branch.
(3) Fellow Nomination Committee
  - We encourage the members to upgrade their higher grade membership.
(4) Award Committee
  - We plan to present the Section Contribution Award to the Contributors for Hiroshima Section.