

2014 IEEE Hiroshima Section Activity Report

PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Highlights
 - Held 12 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 16th IEEE Hiroshima Student Symposium (HISS). (Details are in the Section B.4)
- List of 2014 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.ohata@ieee.org
 - Treasurer:** Isao NAKANISHI (Tottori University)
nakanishi@ele.tottori-u.ac.jp
 - **Executive Committee Members [2013-2014]:**
 - Hideyuki ICHIHARA (Hiroshima City University)
[Additional Post: Student Committee Chair]
ichihara@hiroshima-cu.ac.jp
 - Nobuyuki Ito (Okayama Prefectural University)
[Additional Post: Fellow Committee Chair]
nobby@c.oka-u.ac.jp
 - Yoshio IWAI (Tottori University)
[Additional Post: Student Committee Chair]
iwai@ike.tottori-u.ac.jp
 - Kazuhiro FUJIMORI (Okayama University)
fujimori@okayama-u.ac.jp
[Additional Post: Membership Development Committee Chair]
 - Takahiro MATSUMOTO (Yamaguchi University)
[Additional Post: Educational Activities Chair]
matugen@yamaguchi-u.ac.jp
 - Hiroaki MUKAIDANI (Hiroshima University)
[Additional Post: Educational Activities Chair]
mukaida@hiroshima-u.ac.jp
 - Toshiyuki YOSHIDA (Shimane University)
[Additional Post: Chapter Promotion Committee Chair]
yosisi@ecs.shimane-u.ac.jp
 - Masashi HOTTA (Yamaguchi University)
[Past Chair, Additional Post: Award & Recognition Committee Chair]
hotta@yamaguchi-u.ac.jp

A.2 2014 Financial Report

		(Japanese Yen)
Income	Balance carried forward	981,116
	Section assessment	941,190
	Section rebate	455,122
	Section Support from IEEE Japan Council	240,000
	Balance carried forward of the 15th HISS (*1)	150,015
	Refund from IEEE Japan Council	216
	Interest	144
	Total of Income	2,767,803
Expense	Section assessment	940,758
	Chapter rebate for SMC28 (\$275.00-)	27,717
	Expense for administrative meetings	4,800
	Expense for technical meetings	54,403
	Support for HISS [incl. (*1)]	504,267
	Travel expense for Section Congress	74,364
	Section activities	59,000
	Postage & Supplies	65,852
	Stationary & Bank charge	30,251
	Reserve for next year	1,006,391
Total of Expense	2,767,803	
End-of-Year Balance		0

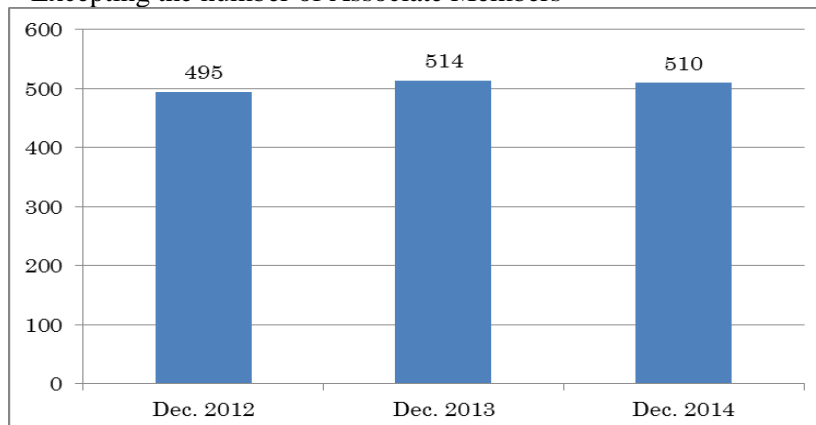
(*1 Due to the difference of accounting system between Japan and US, Hiroshima Section kept the balance carried forward of the 15th IEEE Hiroshima Student Symposium (HISS) and all of them have been passed to the 16th HISS.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Number of Members@ Dec. 2014: 510 [- 4 from Dec. 2013]
 Number of Members@ Dec. 2013: 514 [+19 from Dec. 2012]
 Number of Members@ Dec. 2012: 495

* 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

	Meeting date	Title	Type	Number of participants (*
1	19 July, 2014	2014 IEEE SMC Hiroshima Chapter Young Researchers' Workshop	Technical	76(40)
2	19 July, 2014	2014 IEEE SMC Hiroshima Chapter Software Competition	Technical	76(40)
3	16 Oct., 2014	Workshop on Innovative Technologies and Applications in Computer Intelligence in SMC2014	Technical	40(30)
4	7 Oct., 2014 8 Oct., 2014	IEEE 7th International Workshop on Computational Intelligence and Applications (IWCI/A)	Technical	58(30)
5	7 Nov., 2014	Invited Lecture, Dr. T.Hasuike	Technical	58(18)
6	8 Nov., 2014	Award Invited Lecture, Mr S.Kamada	Technical	48(18)

(* 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

Membership at last status report submitted	Current Membership	% Growth
72	80	+11%

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

- 2014 General Assembly of IEEE Hiroshima Section, Jan. 28, 2014 (Hiroshima City University)
Attendance: IEEE Members: 16 (letters of attorney; 54)
- Administrative Meetings; 4
 - (1) The 1st Board of Directors on March 14, 2014 (Hiroshima City University)
Attendance: Officers and Executive Committee Members: 12
 - (2) The 2nd Board of Directors on May 17, 2014 (Hiroshima City University)
Attendance: Officers and Executive Committee Members: 11
 - (3) The 3rd Board of Directors on Sept. 22, 2014 (Shimane University)
Attendance: Officers and Executive Committee Members: 11
 - (4) The 4th Board of Directors on Nov. 15, 2014 (Hiroshima City University)
Attendance: Officers and Executive Committee Members: 12

➤ Lectures and Events

(1) Section sponsored Technical and Educational Lectures; 6

	Date	Title	Attendance*
1	28 Jan., 2014	Special Lecture at Hiroshima Title: Research and Development of Community Networking Based on Mobile Ad Hoc Networks Speaker: Prof. Yoshiaki Kakuda (Hiroshima City University) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	17(16)
2	17 May, 2014	Technical Lectures for Students at Hiroshima Title: Significance of IEEE Hiroshima Student Symposium Speaker: Prof. Masashi HOTTA (Yamaguchi University) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	28(9)
3	22 Sept., 2014	Technical Lectures at Shimane Title: Environmental remote sensing using electromagnetic waves Speaker: Prof. Toyoshi Shimomai (Shimane University) Location: Shimane University, Matsue, Shimane, Japan	12(12)
4	15 Nov., 2014	Technical Lectures at Hiroshima Title: Utilization of Big Data for Sale Management Speaker: Mr. Toshiaki Horio (ANDERSEN Co.Ltd.) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	230(39)
5	16 Nov., 2014	Technical Lecture at Hiroshima Title: Future Networking Technology for Safety Society and its Agendas Organizer: Mr. Yuya Minami (Hiroshima City University), Panelist: Prof. Hiroyuki Inoue (Hiroshima City University), Prof. Yoshiaki Kakuda(Hiroshima City University), Prof. Toru Nakanishi(Hiroshima University), Prof. Takayuki Fujino (Kinki University Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	138(39)
6	15-16 Nov., 2014	Technical Symposium at Hiroshima Title: The 16th IEEE Hiroshima Student Symposium (HISS) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	368(39)

(2) Section co-sponsored or supported Technical Events; 6

1	5 March, 2014	Supported Technical Lectures - Organized by Hiroshima City University Title: Cooperative Road Traffic Information Systems and In-Network Data Aggregation Speaker: Prof. Bjorn Scheuermann (Humboldt-Universitat zu Berlin) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	20(4)
2	24 Dec., 2014	Co-sponsored Technical Event - Organized by Chugoku-Shikoku Chapter of JSAP Title: The young researcher's meeting for semiconductor and related materials and device Location: Rainbow Plaza, Matsue, Shimane, Japan	45(3)
3	5 Nov., 2014	Co-sponsored Technical Lectures - Organized by Okayama University Title: Formal Approaches to Developing ICT Systems for Secure and Safe Social Platforms Speaker: Prof. Keijirou Araki (Kyusyu Univ.) Location: Okayama University, Okayama, Okayama, Japan	150(5)
4	7 Nov., 2014	Co-sponsored Technical Lectures - Organized by Hiroshima City University Title: Fourier Decision Diagrams	20(7)

		Speaker: Prof. Radomir S. Stankovic (University of Nis, Serbia) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	
5	7 Nov., 2014	Co-sponsored Technical Lectures - Organized by Hiroshima City University Title: Index Generation Functions - Linearization in the Walsh-Hadamard Domain Speaker: Prof. Milena Stankovic (University of Nis, Serbia) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	20(7)
6	19 Nov., 2014	Co-sponsored Technical Lectures - Organized by Okayama University Title: Machine Learning and Brain Science Speaker: Prof. Kenji Douya (Okinawa Institute of Science and Technology) Location: Okayama University, Okayama, Okayama, Japan	120(5)

*() indicates Number of IEEE members

B.4 Students Activities

- The 16th IEEE Hiroshima Student Symposium (HISS)
 - In November 15 and 16, the 16th HISS was held at Hiroshima City University, Hiroshima, Hiroshima, Japan. The number of attendance for the 16th HISS is about 400 (sum of two days). The contents of this symposium are as follows;
 - One keynote lecture and One panel discussion
 - 2 presentation from industrial company
 - 4 presentations from academic laboratories
 - One get together meeting for the students
 - Technical presentations (Number of Technical Presentations: 153)
 - 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; 18
 - (b) Selected by the vote of attendances.
 - HISS Best Presentation Award; 1
 - HISS Good Presentation Awards; 4
- 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 2014 Officers of YSB
 - Chair: Makoto WATANABE
 - Vice-chair: Masayuki TAKAMATSU
 - Treasurer & Secretary: Satoshi HAYASHIDA
- Number of Student branches formed in the current year: 0

B.6 Awards & Recognition Activities

- Award constituted by the section
 - The 16th HISS Distinguished Contribution Award:** 16 students
 - The 16th HISS Distinguished Service Award:** 28 students



B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Section Web site
 - <http://www.ieee-jp.org/section/hiroshima/index.html> (in Japanese)
 - <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/> (will be appeared soon)
- The web page of IEEE SMC chapter in Hiroshima Section:
 - <http://www.smc-hiroshima.info.hiroshima-cu.ac.jp/eng/>
- The web page of IEEE EMBS West Japan Joint Chapter:
 - <http://www.ieee-jp.org/section/fukuoka/embwj/>
- The 15th HISS website (in Japanese):
 - <http://hiss15th.sakura.ne.jp/>

B.8 Other Organizational Activities

- New Officers and Executive Committee Members for 2015-2016
 - **Officers:**
 - Chair:** Nobuo FUNABIKI (Okayama University)
 - Vice-Chair:** Yoshio IWAI (Tottori University)
 - Secretary:** Yoshinobu TAMURA (Yamaguchi University)
 - Treasurer:** Yutaka SASAKI (Hiroshima University)
 - **Executive Committee Members:**
 - Akimitsu KANZAKI (Shimane University)
 - Mitusyohi KISHIHARA (Okayama Prefectural University)
 - Kazuhiro FUJIMORI (Okayama University)
 - Kazushi MIMURA (Hiroshima City University)
 - Hiroaki YAMADA (Yamaguchi University)
 - Shigang LI (Tottori University)
 - Takamaro KIKKAWA (Hiroshima University)
 - Kenji ISHIDA (Hiroshima City University) [Past Chair]

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 27, 2015.
- (2) Board of Directors
 - Four committee meetings plan to hold.
- (3) The 17th Hiroshima Student Symposium (HISS)
 - The 17th HISS plan to hold at Okayama University, Okayama, Japan on November, 2015.
- (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 17th Hiroshima Student Symposium (HISS) at Okayama.
- 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.
 - Improvement of membership service quality in Hiroshima Section for 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 and the Section Award to the members of IEEE.