

# 2012 IEEE Hiroshima Section Activity Report

## PART A - SECTION SUMMARY

### A.1 Executive Summary

- Section Highlights
  - Held 13 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 14th IEEE Hiroshima Student Symposium (HISS). (Details are in the Section B.4)
  - New Officers and Executive Committee Members [2013-2014] were elected. (Details are in the Section B.9)
- Awards
  - 2011 R10 Distinguished Small Section Award (Details are in the Section B.6)
- List of 2012 Section Executive Committee Members and Officers
  - **Officers [2011-2012]:**
    - Chair:** Masashi HOTTA (Yamaguchi University)  
[Additional Post: Fellow Nomination Committee Chair]  
[hotta@yamaguchi-u.ac.jp](mailto:hotta@yamaguchi-u.ac.jp)
    - Vice-Chair:** Junichi FUNASAKA (Hiroshima City University)  
[funa@hiroshima-cu.ac.jp](mailto:funa@hiroshima-cu.ac.jp)
    - Secretary:** Satoshi TAOKA (Hiroshima University)  
[taoka@infonets.hiroshima-u.ac.jp](mailto:taoka@infonets.hiroshima-u.ac.jp)
    - Treasurer:** Kensuke OKUBO (Okayama Prefectural University)  
[Additional Post: Chapter Promotion Committee Chair]  
[okubo@c.oka-pu.ac.jp](mailto:okubo@c.oka-pu.ac.jp)
  - **Executive Committee Members [2011-2012]:**
    - Yoko KAMIDOI (Hiroshima City University)  
[Additional Post: Women in Engineering Committee Chair]  
[yoko@hirosima-cu.ac.jp](mailto:yoko@hirosima-cu.ac.jp)
    - Masayoshi YAMAMOTO (Shimane University)  
[Additional Post: Industry Relation Committee Chair]  
[yamamoto@ecs.shimane-u.ac.jp](mailto:yamamoto@ecs.shimane-u.ac.jp)
    - Toshihiko KIWA (Okayama University)  
[Additional Post: Educational Committee Chair]  
[kiwa@t.okayama-u.ac.jp](mailto:kiwa@t.okayama-u.ac.jp)
    - Yoshinobu TAMURA (Yamaguchi University)  
[tamura@yamaguchi-u.ac.jp](mailto:tamura@yamaguchi-u.ac.jp)
    - Takehiro FUKUSHIMA (Okayama Prefectural University)  
[Additional Post: Membership Development Committee Chair]  
[fuku@c.oka-pu.ac.jp](mailto:fuku@c.oka-pu.ac.jp)
    - Tohru YAMAMOTO (Hiroshima University)  
[Additional Post: Student Activity Committee Chair]  
[yama@hiroshima-u.ac.jp](mailto:yama@hiroshima-u.ac.jp)
    - Katsutoshi KONDOH (Tottori University)  
[kondo@ele.tottori-u.ac.jp](mailto:kondo@ele.tottori-u.ac.jp)
    - Masato HIRAKAWA (Shimane University)  
[Past Chair, Additional Post: Award & Recognition Committee Chair]  
[hirakawa@cis.shimane-u.ac.jp](mailto:hirakawa@cis.shimane-u.ac.jp)

## A.2 2012 Financial Report

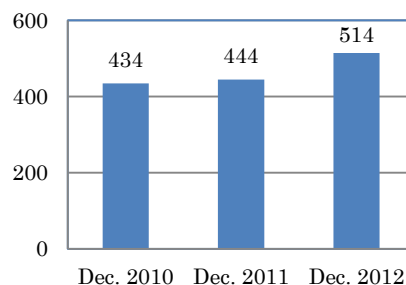
		(Japanese Yen)
<b>Income</b>	➤ Balance carried forward	784,765
	➤ Balance carried forward of the 13th HISS (*1)	99,654
	➤ Section Assessment	701,372
	➤ Section Rebate	279,075
	➤ Incentive for Membership Retain Rate	36,455
	➤ Interest	125
	➤ Section Support from IEEE Japan Council	240,000
	Total of Income	
<b>Expense</b>	➤ Section Assessment transferred to Japan Council	700,742
	➤ Chapter Rebate for SMC28	15,410
	➤ Expense for Administrative Meetings	5,250
	➤ Expense for Technical Meetings (incl. Tax)	74,020
	➤ Section Activities :	
	• Student Activities	95,055
	• Educational Activities	20,000
	• Support for the 14th HISS [incl. (*1)]	442,600
	➤ Postage & Supplies	43,950
➤ Stationary & Bank Charge	23,032	
➤ Reserve for Next Year	721,387	
Total of Expense		2,141,446
<b>End-of-Year Balance</b>		<b>0</b>

(\*1 Due to the difference of accounting system between Japan and US, Hiroshima Section kept the balance carried forward of the 13<sup>th</sup> IEEE Hiroshima Student Symposium (HISS) and all of them have been passed to the 14<sup>th</sup> HISS.

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Number of Members@ Dec. 2012: 514 [+70 from Dec. 2011] *\*excepting the Associate Member*  
 Number of Members@ Dec. 2011: 444 [+10 from Dec. 2010]  
 Number of Members@ Dec. 2010: 434



Transition of number of members in Hiroshima Section.

- Nomination of the membership upgrade; One nomination of membership upgrade from regular to senior member grade through Hiroshima Section was approved by the A & A Review Panel.
- Workshop on Membership Development (MD) of Hiroshima Section was held on May 26<sup>th</sup>, 2012 at Okayama Prefectural University (50 Attendee include 10 IEEE Members). 2012 Section MD plan: <http://ewh.ieee.org/reg/10/MDC/MDCMain.html>
- MD Campaign at IEEE Hiroshima Section Student Symposium on Nov. 17-18, 2012.

## 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 would be seen at the HP of Fukuoka Section.
  - b) Hiroshima Section Chapter, [SMC Hiroshima Chapter], SMC28  
[Activities of SMC Hiroshima Section Chapter]
    - ◇ List of 2012 Chapter Officers of SMC [2011-2012]
      - Chair: Takumi ICHIMURA (Prefectural University of Hiroshima)
      - Vice Chair: Kosuke KATO (Hiroshima Institute of Technology)
      - Secretary: Akira HARA (Hiroshima City University)
      - Treasurer: Keiichi TAMURA (Hiroshima City University)

### 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	14 July, 2012	Invited Lecture, Prof. K. Ohkura	Technical	66(35)
2	14 July, 2012	2012 IEEE SMC Hiroshima Chapter Young Researchers' Workshop	Technical	66(35)
3	24 Aug., 2012	Invited Lecture, Prof. K. Tamura	Technical	18(11)
4	1 Sept., 2012	Invited Lecture, Prof. Kenneth J. Mackin	Technical	13(12)
5	15 Oct., 2012	Workshop on Innovative Soft Computing Methodologies and Applications in SMC2012	Technical	30(10)
6	1 Dec., 2012	2012 IEEE SMC Hiroshima Chapter Workshop	Technical	16(13)

(\* Number of participants of IEEE members)

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

	Meeting date	Title	Type	Number of participants (*)
1	9-10 March, 2012	Seminar on ESCR (Embedded System development Coding References)	Education	18(11)
2	24 Aug., 2012	2012 IEEE SMC Hiroshima Chapter Summer School: Skill Up Seminar on C Programming Language	Education	22(10)

(\* Number of participants of IEEE members)

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

#### Growth of chapter membership

Membership at last status report submitted	Current Membership	% Growth
48	66	+37.5%

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

- 2012 General Assembly of IEEE Hiroshima Section, Jan. 23, 2012 (Hiroshima City University)  
Attendance: IEEE Members: 14 (letters of attorney; 42)
- Administrative Meetings; 4
  - (1) The 1st Board of Directors on April 2, 2012 (Hiroshima Office Center)  
Attendance: Officers and Executive Committee Members: 13
  - (2) The 2nd Board of Directors on May 26, 2012 (Okayama Prefectural University)  
Attendance: Officers and Executive Committee Members: 13
  - (3) The 3rd Board of Directors on Sept. 28, 2012 (Shimane University)  
Attendance: Officers and Executive Committee Members: 13
  - (4) The 4th Board of Directors on Nov. 17, 2012 (Okayama Prefectural University)  
Attendance: Officers and Executive Committee Members: 13

➤ Lectures and Events

(1) Section sponsored Technical and Educational Lectures; 7

	Date	Title	Attendance*
1	23 Jan., 2012	<b>Special Lecture at Hiroshima</b> Title: SKYACTIV TECHNOLOGY and Model-based Description Development Speaker: Mr. Yasuhiro HARADA (Mazda) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	15(10)
2	26 May, 2012	<b>Technical Workshop at Okayama</b> Title: Membership Development Workshop Organizer: Prof. Takehiro FUKUSHIMA (Okayama Pref. Univ.) Location: Okayama Prefectural University, Soja, Okayama, Japan	50(10)
3	26 May, 2012	<b>Educational Lectures for Students at Hiroshima</b> Title: What is IEEE Hiroshima Student Symposium? Speaker: Prof. Masashi HOTTA (Yamaguchi University)	50(10)
4	28 Sept., 2012	<b>Technical Lecture at Shimane</b> Title: Acceleration technologies in cloud systems Speaker: Dr. Yuichi NAKAMURA (Green Platform Research Lab., NEC) Location: Shimane University, Matsue, Shimane, Japan	23(10)
5	17 Nov., 2012	<b>Technical Lecture at Okayama</b> Title: History of Wireless LAN development: from Description fundamental research to practical implementation Speaker: Dr. Mutsumu SERIZAWA (Toshiba) Location: Okayama Prefectural University, Soja, Okayama, Japan	98(14)
6	18 Nov., 2012	<b>Technical Lecture at Okayama</b> Title: Introduction of ceramic multilayer circuit board technology: Pulling the World from Okayama Speaker: Dr. Mitsuyoshi NISHIDE (Okayama Murata Manufacturing Co., Ltd.) Location: Okayama Prefectural University, Soja, Okayama, Japan	70(9)
7	17-18 Nov., 2012	<b>Technical Symposium at Okayama</b> Title: The 14th IEEE Hiroshima Student Symposium (HISS) Location: Okayama Prefectural University, Soja, Okayama, Japan	605(23)

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

1	18 Jan., 2012	<b>Co-sponsored Lectures</b> - the 44 <sup>th</sup> Communication Network Engineering Department Special Lecture organized by Okayama University Title: How to talk Speaker: Tomomi SAKAGUCHI (Free announcer) Location: Okayama University, Okayama, Okayama, Japan	103(3)
2	12 March, 2012	<b>Supported Technical Lecture</b> - Organized by Hiroshima City University Title: Empirical Data-Driven Modeling for Dependability Enhancement Speaker: Prof. Miroslaw Malek (Humboldt-Univ.) Location: Hiroshima City University, Hiroshima, Japan	13(3)
3	2 Aug., 2012	<b>Co-sponsored Technical Lecture</b> - Organized by Hiroshima University Title: Program Debugging with Effective Software Fault Localization Speaker: Professor W. Eric Wong (Univ. of Texas at Dallas) Location: Hiroshima Univ., Higashi-Hiroshima, Hiroshima, Japan	13(3)
4	3 Sept., 2012	<b>Supported Technical Lecture</b> - Organized by Hiroshima City University Title: Business Continuity with the SHIP-IT Approach Speaker: Prof. Miroslaw Malek (Humboldt-Univ.) Location: Hiroshima City University, Hiroshima, Japan	15(3)

(Continue to the next page)

5	14 Nov., 2012	<b>Co-sponsored Lectures</b> - the 47 <sup>th</sup> Communication Network Engineering Department Special Lecture organized by Okayama University Title: Technology developments in NTT West Speaker: Jyoji KIMURA (NTT West) Location: Okayama University, Okayama, Okayama, Japan	200(10)
6	17 Nov., 2012	<b>Co-sponsored Technical Event</b> - Organized by IEICE Chugoku Branch Title: Student "KEITAI" Award 2012 - <i>Contest of Novel Idea and Applications for Mobile Phone and Tablet</i> - Location: Okayama Prefectural University, Soja, Okayama, Japan	60(16)

\*() indicates Number of IEEE members.

#### B.4 Students Activities

- The 14th IEEE Hiroshima Student Symposium (HISS)
  - In November 17 and 18, the 14th HISS was held at Okayama Prefectural University, Soja, Okayama, Japan. The number of attendance for the 14th HISS is about 605 (sum of two days). The contents of this symposium are as follows;
    - One keynote lecture and One special technical lecture
    - One presentation from industrial company
    - 7 presentations from academic laboratories
    - One learning seminar by experience
    - One get together meeting for the students
    - Technical presentations (Number of Technical Presentations: 187)
    - 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; 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).  
Number of recipients in 2012: 2.
- Total number of Student branches in Hiroshima Section: 1
  - Yamaguchi University Student Branch (YSB)
    - ✧ List of 2012 Officers of YSB
      - Chair: Takayuki HIROKAWA
      - Vice-chair: Shun WATANABE
      - Treasurer/Secretary: Takaharu ISHIBASHI
- Number of Student branches formed in the current year: 0

#### B.6 Awards & Recognition Activities

- Award constituted by the section
  - 2012 Section Contribution Award:** Dr. Ikuo AWAI (Ryutech)
- Award received from R10
  - 2011 R10 Distinguished Small Section Award**
- Award received from IEEE HQ
  - IEEE Nikola Tesla Award:** Prof. Norio TAKAHASHI (Okayama University)

## 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 14th HISS website (in Japanese):
  - <http://hiss14th.sakura.ne.jp/>

## B.9 Other Organizational Activities

- New Officers and Executive Committee Members for 2013-2014

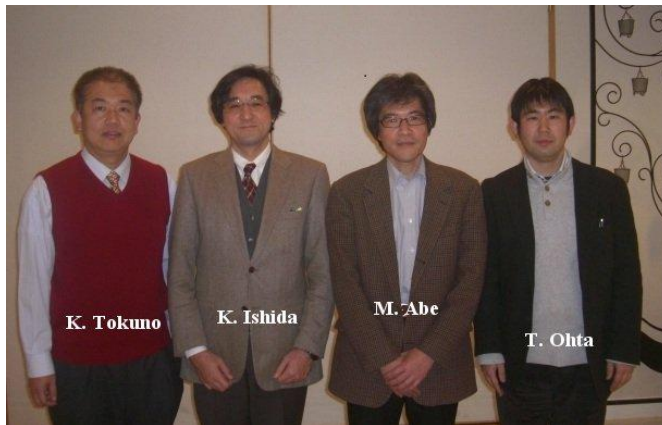
- **Officers[2013-2014]:**

**Chair:** Kenji ISHIDA (Hiroshima City University)

**Vice-Chair:** Masanobu ABE (Okayama University)

**Secretary:** Tomoyuki OHTA (Hiroshima City University)

**Treasurer:** Koichi TOKUNO (Tottori University)



New Executive Officers  
(2013-2014)  
of Hiroshima Section

- **Executive Committee Members:**

Hideyuki ICHIHARA (Hiroshima City University)

Toshiyuki YOSHIDA (Shimane University)

Kazuhiro FUJIMORI (Okayama University)

Takahiro MATSUMOTO (Yamaguchi University)

Nobuyuki ITOH (Okayama Prefectural University)

Hiroaki MUKAIDANI (Hiroshima University)

Yoshio IWAI (Tottori University)

Masashi HOTTA (Yamaguchi 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 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 and also 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 31, 2013.
- (2) Board of Directors
  - Four committee meetings plan to hold.
- (3) The 15th Hiroshima Student Symposium (HISS)
  - The 15th HISS plan to hold at Tottori University, Tottori, Japan on November, 2013.
- (4) Technical Lectures
  - Planning at least 5 Sponsored Technical Lectures and 4 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 15th Hiroshima Student Symposium (HISS) at Tottori.
- We try to find the system for active communications between academic and company members.
- We encourage our members to upgrade their membership to the Senior Member.

### **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.