



## 2017 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, Conference, Symposium, Contest and Seminars), and 5 Administrative Meetings including the General Assembly. (Details are in the Section B.3)
- Held the 19th IEEE Hiroshima Student Symposium (HISS). (Details are in the Section B.4)

##### 2017 Section Executive Committee Member List

- **Officers [2017-2018]:**
  - Chair:** Isao NAKANISHI (Tottori University)  
[nakanishi@eccs.tottori-u.ac.jp](mailto:nakanishi@eccs.tottori-u.ac.jp)
  - Vice-Chair:** Kazuhiro UEHARA (Okayama University)  
[uehara@okayama-u.ac.jp](mailto:uehara@okayama-u.ac.jp)
  - Secretary:** Akimitsu KANZAKI (Shimane University)  
[kanzaki@cis.shimane-u.ac.jp](mailto:kanzaki@cis.shimane-u.ac.jp)
  - Treasurer:** Hiroyasu OBATA (Hiroshima City University)  
[obata@hiroshima-cu.ac.jp](mailto:obata@hiroshima-cu.ac.jp)
- **Executive Committee Members [2017-2018]:**
  - Tetsushi KOIDE (Hiroshima University)  
[Additional Post: Student Committee Chair]  
[koide@hiroshima-u.ac.jp](mailto:koide@hiroshima-u.ac.jp)
  - Masaru FUKUSHI (Yamaguchi University)  
[Additional Post: Education Activities Chair]  
[mfukushi@yamaguchi-u.ac.jp](mailto:mfukushi@yamaguchi-u.ac.jp)
  - Nozomu NANATO (Okayama University)  
[Additional Post: Student Committee Chair]  
[nanato@okayama-u.ac.jp](mailto:nanato@okayama-u.ac.jp)
  - Yasuhiro TAJIMA (Okayama Prefectural University)  
[Additional Post: Chapter Promotion Committee Chair]  
[tajima@cse.oka-pu.ac.jp](mailto:tajima@cse.oka-pu.ac.jp)
  - Chisa TAKANO (Hiroshima City University)  
[Additional Post: Women in Engineering Committee Chair]  
[takano@hiroshima-cu.ac.jp](mailto:takano@hiroshima-cu.ac.jp)
  - Takayoshi YOKOTA (Tottori University)  
[Additional Post: Industry Relation Committee Chair]  
[yokota@ike.tottori-u.ac.jp](mailto:yokota@ike.tottori-u.ac.jp)
  - Fumihito ITO (Shimane University)  
[Additional Post: Membership Development Committee Chair]  
[fumi@ecs.shimane-u.ac.jp](mailto:fumi@ecs.shimane-u.ac.jp)
  - Takashi YAMANOUE (Fukuyama University)  
[Additional Post: Award Committee Chair]  
[yamanoue@fuip.fukuyama-u.ac.jp](mailto:yamanoue@fuip.fukuyama-u.ac.jp)
  - Nobuo FUNABIKI (Okayama University)  
[Past Chair, Additional Post: Fellow Committee Chair]  
[funabiki@okayama-u.ac.jp](mailto:funabiki@okayama-u.ac.jp)

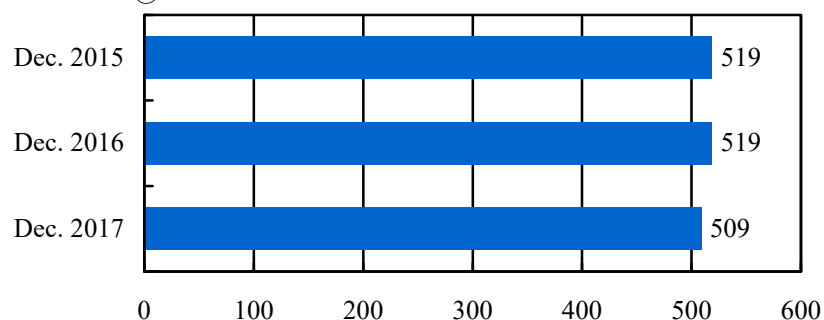
## A.2 2017 Financial Report

		(Japanese Yen)
Income	Balance carried forward	1,236,546
	Section Assessment	1,086,920
	Section Rebate	496,431
	Interest	12
	Student Rebate	6,349
	Support for HISS from Foundation	567,500
	Balance carried forward of HISS	1,963
Total of Income in Section Account		3,395,721
Income of HISS (different account from section)		756,205
Sum of Total of Income in Section Account and Income of HISS		4,151,926
Expense	Section Assessment	977,978
	Chapter Rebate for SMC28 (\$275.00-)	30,467
	Expense for Administrative Meetings	84,320
	Expense for Technical Meetings	30,220
	Section Activities	76,240
	Support for Secondary Delegate of Section Congress	127,898
	Postage & Supplies	1,310
	Stationery & Bank charge	43,739
	Reserve for next year	1,336,049
	Support for HISS	687,500
	Total of Expense in Section Account	
Expense of HISS (different account from section)		756,205
Sum of Total of Expense in Section Account and Expense of HISS		4,151,926
End-of-Year Balance		0

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Number of Members@ Dec. 2017: 509 [-10 from Dec. 2016]
- Number of Members@ Dec. 2016: 519 [+0 from Dec. 2015]
- Number of Members@ Dec. 2015: 519



Transition of number of members in Hiroshima Section.

### B.2 Chapter Activities

#### Total number of Chapters in the Hiroshima Section: 2

- Fukuoka/Hiroshima/Shikoku (West Japan) Chapter, EMB18  
Activities of EMB West Japan Chapter; Please refer the Fukuoka Section.
- Hiroshima Section Chapter, [SMC Hiroshima Chapter], SMC28  
[Activities of SMC Hiroshima Section Chapter]

## List of Chapter Officers of SMC [2017-2018]

Chair: Akira HARA (Hiroshima City University)

Vice Chair: Tomohiro HAYASHIDA (Hiroshima University)

Secretary: Keiichi TAMURA (Hiroshima City University)

Secretary: Jun-ichi KUSHIDA (Hiroshima City University)

Treasurer: Daisuke HIROTANI (Prefectural University of Hiroshima)

**Technical Activities (SMC)**

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

	Meeting date	Title	Type	Number of participants (*)
1	21 Mar. 2017	Cooperation for 18th Annual Meeting of Self-Organizing Maps in JAPAN 2017	Technical	20 (0)
2	22 Jul. 2017	2017 IEEE SMC Hiroshima Chapter Young Researchers' Workshop	Technical	82 (25)
3	22 Jul. 2017	IEEE SMC Hiroshima Chapter Special Lecture Prof. T. Yamakawa	Technical	82 (25)
4	25 Sep. 2017	IEEE SMC Hiroshima Chapter Special Lecture Prof. S. Mabu	Technical	14 (10)
5	6 Oct. 2017	Special Session on Innovative Technologies and Applications in Computer Intelligence in SMC2017	Technical	16 (3)
6	11-12 Nov. 2017	2017 IEEE 10th International Workshop on Computational Intelligence and Applications (IWCIA)	Technical	58 (35)
7	11 Nov. 2017	IEEE SMC Hiroshima Chapter Invited Special Talk Prof. Y. Hoshino	Technical	53 (31)

(\* Number of participants of IEEE members)

**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.

**Membership Communication and Advancement (SMC)**

- Growth of chapter membership

Membership at last status report submitted	Current Membership	% Growth
66	58	-13.8%

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****2017 General Assembly of IEEE Hiroshima Section, Jan. 27, 2017 (Hiroshima Garden Palace)**

Attendance: IEEE Members: 13 (letters of attorney: 43)

**Administrative Meetings**

- The 1st Board of Directors on April 10, 2017 (Hiroshima City University)  
Attendance: Officers and Executive Committee Members: 9
- The 2nd Board of Directors on June 3, 2017 (Shimane University)  
Attendance: Officers and Executive Committee Members: 11
- The 3rd Board of Directors on Sept. 2, 2017 (Yamaguchi University)  
Attendance: Officers and Executive Committee Members: 9
- The 4th Board of Directors on Dec. 3, 2017 (Shimane University)  
Attendance: Officers and Executive Committee Members: 11

## Lectures and Events

- Section sponsored Technical and Educational Lectures: 5

	Date	Title	Attendance*
1	27 Jan. 2017	<b>Special Lecture at Hiroshima</b> Title: Academic education through the experiences in society and research activities -IEEE Hiroshima section student symposium and field experiments of mobile ad hoc networks- Speaker: Prof. Yoshiaki Kakuda (Shimane University) Location: Hiroshima Garden Palace, Hiroshima, Hiroshima, Japan	12 (11)
2	3 June 2017	<b>Technical Lectures for Students at Shimane</b> Title: Think about the valuable abilities obtained through the organization of a student symposium Speaker: Prof. Masashi Hotta (Yamaguchi University) Location: Shimane University, Matsue, Shimane, Japan	43 (9)
3	2 Sept. 2017	<b>Technical Lecture at Yamaguchi</b> Title: Activities and educational effects of YSB (Yamaguchi University Student Branch) Speaker: Dr. Hiroaki Yamada (Yamaguchi University) Location: Yamaguchi University, Ube, Yamaguchi, Japan	10 (10)
4	2 Dec. 2017	<b>Technical Symposium at Shimane</b> Title: Innovation to be embodied – Human Development in the era of revolutionary change Speaker: Ms. Kana Takasu (Shimane University) Location: Shimane University, Matsue, Shimane, Japan	109 (20)
5	2-3 Dec. 2017	<b>Technical Symposium at Shimane</b> Title: The 19th IEEE Hiroshima Student Symposium (HISS) Location: Shimane University, Matsue, Shimane, Japan	239 (20)

- Section co-sponsored or supported Technical Events: 7

	Date	Title	Attendance*
1	2 Mar. 2017	<b>Co-sponsored Technical Event</b> – Organized by Research Institute for Nanodevice and Bio Systems, Hiroshima University Title: International Workshop on Nanodevice Technologies 2017 Location: Hiroshima University, Higashi Hiroshima, Hiroshima, Japan	100
2	11 Mar. 2017	<b>Co-sponsored Technical Event</b> – Organized by Hiroshima City University Title: Hiroshima BioMedical Engineering School Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	82
3	6 Spr. 2017	<b>Co-sponsored Technical Lecture</b> – Organized by Hiroshima University of Economics Title: Development of Cross-Language Information Retrieval Speaker: Dr. Agus Zainal Arifin (ITS, Indonesia / National Council for Curriculum at Association of Indonesian Higher Education in Informatics and Computer Sciences) Location: Hiroshima University of Economics, Hiroshima, Hiroshima, Japan	6
4	12-13 May 2017	<b>Co-sponsored Technical Event</b> – Organized by ICSREE Organizing Committee Title: International Conference on Sustainable and Renewable Energy Engineering (ICSREE 2017) Location: Hiroshima YMCA, Hiroshima, Hiroshima, Japan	40
5	7-10 Aug. 2017	<b>Supported Technical Event</b> – Organized by IPSJ SIG-CVIM Title: Meeting on Image Recognition and Understanding (MIRU 2017) Location: International Conference Center Hiroshima, Hiroshima, Hiroshima, Japan	660 (250)
6	10 Nov. 2017	<b>Co-sponsored Technical Lecture</b> – Organized by IEICE Chugoku Section Title: Applications and key technologies of 5G mobile communication systems Speaker: Prof. Yukitoshi Sanada (Keio University) Location: Tottori University, Tottori, Tottori, Japan	93 (7)
7	1 Dec. 2017	<b>Co-sponsored Technical Lecture</b> – Organized by IEICE Chugoku Section Title: Current state of IoT technologies and commercial systems Speaker: Mr. Hiroaki Hata (NTT Com Engineering Corporation) Location: Location: Tottori University, Tottori, Tottori, Japan	121 (11)

\*( ) indicates Number of IEEE members

## B.4 Students Activities

### The 19<sup>th</sup> IEEE Hiroshima Section Student Symposium (HISS)

In December 2 and 3, the 19th HISS was held at Shimane University, Matsue, Shimane, Japan. The number of attendance for the 19th HISS is 239 (sum of two days). The contents of this symposium are as follows;

- One keynote lecture
- 2 presentations from industrial company
- 2 presentations from academic laboratories
- One get-together meeting for the students
- Technical presentations (Number of Technical Presentations: 85)
- 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
    - HISS English Presentation Award: 1
    - HISS Best Presentation Award for High School Students: 1
    - HISS Excellence Presentation Award for High School Students: 3
  - (b) Selected by the vote of attendances.
    - HISS Best Presentation Award: 1
    - Micron Award: 1
    - HISS Good Presentation Award: 2

### Recruitment of Student Members

- Student members who joined HISS steering committee deserve additional prizes with their contribution awards.
- Continuation of encouragement systems for presentation of the student members on the international/domestic conferences.

### Total number of Student Branches in Hiroshima Section: 1

- Yamaguchi University Student Branch (YSB)
  - List of 2017 Officers of YSB
  - Chair: Hisahiro YAMANAKA
  - Vice Chair: Yusaku SHIMIZU
  - Treasurer & Secretary: Yuki OKAMOTO

Number of Student Branches formed in the current year: 0

## B.5 Awards & Recognition Activities

### Award constituted by Hiroshima Section

- The 2017 Hiroshima Section Contribution Award: Prof. Masahito HIRAKAWA
- The 19<sup>th</sup> HISS Distinguished Contribution Award: 31 students
- The 19<sup>th</sup> HISS Distinguished Service Award: 12 students



## **B.6 Communication Activities (Newsletter, Home Page, E-mail etc.)**

### **Section Web site**

- <http://www.ieee-jp.org/section/hiroshima/> (in Japanese)
- <http://www.ieee-jp.org/section/hiroshima/En/> (in English)

### **Section Facebook page**

- <https://www.facebook.com/ieee.hiroshima/> (in Japanese)

### **The web page of Yamaguchi University Student Branch**

- <http://ysb.eee.yamaguchi-u.ac.jp/> (in Japanese)

### **The web page of IEEE SMC chapter in Hiroshima Section**

- <http://www.smc-hiroshima.info.hiroshima-cu.ac.jp/eng/>
- <http://ieee-jp.org/section/fukuoka/chapter/embwj/>

### **The 19th HISS Web site**

- <http://hiss19th.sakura.ne.jp/> (in Japanese)

## **PART C - OTHERS**

### **C.1 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 Hiroshima Section, Micron Foundation, Kayamori Foundation of Information Science Advancement, 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.

### **C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)**

- 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 IPSJ (The Information Processing Society of Japan) and so on, through their local branches around the Hiroshima Section, and also Universities.

### **C.3 Best Practices of Hiroshima Section**

#### **Welcome message to the new members**

We had sent welcome messages to the members who newly joined the Hiroshima Section, in order to announce the services for members, Section Web site, events in the Section (including HISS), etc.

#### **High voting rate in the 2017 IEEE Annual Elections**

In the 2017 IEEE Annual Elections, we had aggressively encouraged our members to vote. As a result, the voting percentage in the Hiroshima Section had been the 2nd highest amongst 57 sections in Region 10.

## **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, 2018.
- (2) Board of Directors
  - Four committee meetings plan to hold.
- (3) The 20th IEEE Hiroshima Student Symposium (HISS)
  - The 20th HISS plan to hold at Tottori University, Tottori, Japan on November, 2018.
- (4) Hiroshima Sections' 20th Anniversary Celebration
  - The Sections' 20th Anniversary Celebration plan to hold at Tottori, Japan on November, 2018.
- (4) Technical Lectures
  - Planning at least 5 Sponsored Technical Lectures and at least 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 20th Hiroshima Student Symposium (HISS) at Tottori.
- 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 Committee
  - Promotion for the use of a grant (Max.: 10,000 JPY) to active IEEE student members. We encourage the student members to present their work at the domestic/international conferences.
  - 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.