



2018 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, Conference, Symposium, Contest and Seminars), and 5 Administrative Meetings including the General Assembly. (Details are in the Section B.3)
- Held the IEEE Hiroshima Section 20th Anniversary Celebration Symposium. (Details are in the Section C.1)
- Held the 20th IEEE Hiroshima Student Symposium (HISS). (Details are in the Section B.4)

2018 Section Executive Committee Member List

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

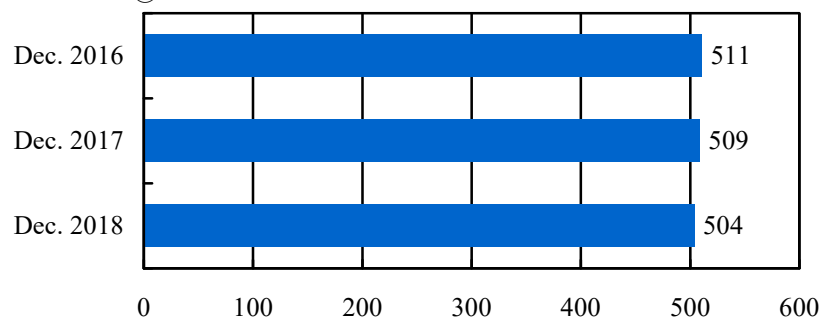
A.2 2018 Financial Report

		(Japanese Yen)
Income	Balance carried forward	1,336,049
	Section Assessment	1,053,206
	Section Rebate	468,449
	2017 Voting Incentive	28,679
	Section Support for 20 th anniversary event from JC	300,000
	Section Student Activity Support from JC	67,416
	Student Rebate	5,559
	Interest	12
	Total of Income in Section Account	3,259,370
	Income of HISS (different account from section)	702,500
Sum of Total of Income in Section Account and Income of HISS		3,961,870
Expense	Section Assessment	915,964
	Chapter Rebate for SMC28 (\$275.00-)	30,065
	Student Rebate for YSB	11,908
	Expense for Administrative Meetings	141,600
	Expense for Technical Meetings	263,912
	Section Activities	778,566
	Postage & Supplies	5,514
	Stationery & Bank charge	95,691
	Reserve for next year	233,868
	Support for HISS	782,282
Total of Expense in Section Account	3,259,370	
Expense of HISS (different account from section)	702,500	
Sum of Total of Expense in Section Account and Expense of HISS		3,961,870
End-of-Year Balance		0

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Number of Members@ Dec. 2018: 511 [+2 from Dec. 2017]
- Number of Members@ Dec. 2017: 509 [-10 from Dec. 2016]
- Number of Members@ Dec. 2016: 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	10 Mar. 2018	Cooperation for 3rd Deep Learning research meeting	Technical	12 (8)
2	21 Mar. 2018	Cooperation for 19th Annual Meeting of Self-Organizing Maps in JAPAN 2018	Technical	17 (3)
3	28 Jul. 2018	2018 IEEE SMC Hiroshima Chapter Young Researchers' Workshop	Technical	87 (27)
4	28 Jul. 2018	IEEE SMC Hiroshima Chapter Special Lecture Prof. T. Yamauchi	Technical	87 (27)
5	4 Aug. 2018	Cooperation for 4th Deep Learning research meeting	Technical	8 (6)
6	8 Oct. 2018	Special Session on Computational Intelligence for Learning and Knowledge Acquisition in SMC2018	Technical	25 (6)
7	10-11 Oct. 2018	SMC2018 Post-event for Young Researchers	Technical	16 (3)
8	1 Dec. 2018	IEEE SMC Hiroshima Chapter Special Lecture and Award Memorial Lecture Prof. K. Nagasawa	Technical	10 (9)

(* Number of participants of IEEE members)

Membership Communication and Advancement (SMC)

- Growth of chapter membership

Membership at last status report submitted	Current Membership	% Growth
58	59	+1.7%

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

2018 General Assembly of IEEE Hiroshima Section, Jan. 31, 2018 (Hiroshima Garden Palace)

Attendance: IEEE Members: 11 (letters of attorney: 56)

Administrative Meetings

- The 1st Board of Directors on April 17, 2018 (Okayama University)
Attendance: Officers and Executive Committee Members: 10
- The 2nd Board of Directors on May 26, 2018 (Tottori University)
Attendance: Officers and Executive Committee Members: 9
- The 3rd Board of Directors on Sept. 15, 2018 (Hiroshima City University)
Attendance: Officers and Executive Committee Members: 10
- The 4th Board of Directors on Nov. 18, 2018 (Tottori University)
Attendance: Officers and Executive Committee Members: 9

Lectures and Events

- Section sponsored Technical and Educational Lectures: 7

	Date	Title	Attendance*
1	31 Jan. 2018	Special Lecture at Hiroshima Title: What computers have delivered. Speaker: Prof. Masahito Hirakawa (Shimane University) Location: Hiroshima Garden Palace, Hiroshima, Hiroshima, Japan	9 (9)
2	17 Apr. 2018	Technical Lecture at Okayama Title: enPiT2-Security -About the efforts of Basic SecCap, a practical human resource development course in the area of information security- Speaker: Prof. Yasuyuki Nogami (Okayama University) Location: Okayama University, Okayama, Okayama, Japan	10 (8)
3	26 May 2018	Technical Lectures for Students at Tottori Title: Think about what can be obtained through the organization of a student symposium Speaker: Prof. Masashi Hotta (Yamaguchi University) Location: Tottori University, Tottori, Tottori, Japan	37 (10)
4	8 Aug. 2018	Technical Lecture at Tottori Title: Face authentication techniques for supporting secure, safe and abundant society Speaker: Dr. Hitoshi Imaoka (NEC Biometrics Research Laboratories) Location: Tottori University, Tottori, Tottori, Japan	34 (7)
5	16 Nov. 2018	Symposium at Tottori Title: The IEEE Hiroshima Section 20th anniversary celebration symposium Location: Tottori University, Tottori, Tottori, Japan	43 (33)
6	17 Nov. 2018	Technical Lecture at Tottori Title: Medical welfare systems changed by quantification Speaker: Prof. Daisuke Kushida (Tottori University) Location: Tottori University, Tottori, Tottori, Japan	52 (20)
7	17-18 Nov. 2018	Technical Symposium at Tottori Title: The 20th IEEE Hiroshima Student Symposium (HISS) Location: Tottori University, Tottori, Tottori, Japan	280 (20)

- Section co-sponsored or supported Technical Events: 6

	Date	Title	Attendance*
1	2 Mar. 2018	Co-sponsored Technical Event – Organized by Research Institute for Nanodevice and Bio Systems, Hiroshima University Title: International Workshop on Nanodevice Technologies 2018 Location: Hiroshima University, Higashi Hiroshima, Hiroshima, Japan	100 (30)
2	14 June 2018	Co-sponsored Technical Lecture – Organized by Hiroshima City University Title: From reversible functions to quantum computers Speaker: Prof. Martin Lukac (Nazarbayev University, Kazakhstan) Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	35 (5)
3	6-7 Aug. 2018	Co-sponsored Technical Event – Organized by IEICE SIG-MWP Title: MWP Symposium Location: Kunibiki Messe, Matsue, Shimane, Japan	55 (21)
4	29-31 Aug. 2018	Supported Technical Event – Organized by ISMAC 2018 Organizing Committee Title: International Symposium on Multimedia and Communication Technology (ISMAC 2018) Location: Tottori Kenritsu Shougai Gakushu Center, Tottori, Tottori, Japan	48 (28)
6	27 Oct. 2018	Co-sponsored Technical Event – Organized by IEICE Chugoku Section Title: Fresh IT Awards 2018 Location: Hiroshima City University, Hiroshima, Hiroshima, Japan	30 (10)

*() indicates Number of IEEE members

B.4 Students Activities

The 20th IEEE Hiroshima Section Student Symposium (HISS)

In November 17 and 18, the 20th HISS was held at Tottori University, Tottori, Tottori, Japan. The number of attendances for the 20th HISS is 280 (sum of two days). The contents of this symposium are as follows;

- One keynote lecture
- 3 presentations from industrial company
- 6 presentations from academic laboratories
- 3 presentation from high-school students
- One get-together meeting
- Technical presentations (Number of Technical Presentations: 101)
- 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: 20
 - HISS English Presentation Award: 1
 - HISS Best Presentation Award for High School Students: 1
 - HISS Excellence Presentation Award for High School Students: 1
 - (b) Selected by the vote of attendances.
 - HISS Best Presentation Award: 1
 - Micron Award: 1
 - HISS Good Presentation Award: 6

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. In 2018, 6 students have been supported for their presentation.

Total number of Student Branches in Hiroshima Section: 1

- Yamaguchi University Student Branch (YSB)
 - List of 2018 Officers of YSB
 - Chair: Yusuke OHNISHI
 - Vice Chair: Kazuma MATSUMOTO
 - Secretary: Kouki HAMASAKI

Number of Student Branches formed in the current year: 1

- Hiroshima Section Student Branch (HSSB)
 - List of 2018 Officers of HSSB
 - Chair: Keisuke ISOMOTO
 - Vice Chair: Taisei ITO
 - Secretary: Keisuke OKANO
 - Treasurer: Nozomu KINJO

B.5 Awards & Recognition Activities

Award constituted by Hiroshima Section

- The 2018 Hiroshima Section Contribution Award: Prof. Masashi HOTTA
- The 20th HISS Distinguished Contribution Award: 7 students
- The 20th HISS Distinguished Service Award: 36 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 Hiroshima Section Student Branch

- <https://hiroshima-ssb.netlify.com/> (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 IEEE Hiroshima Section 20th Anniversary Celebration Symposium Web site

- <http://www.ieee-jp.org/section/hiroshima/20th-anniversary/> (in Japanese)

The 20th HISS Web site

- <http://www.ieee-jp.org/section/hiroshima/hiss/20th/> (in Japanese)

PART C - OTHERS

C.1 Special Events

IEEE Hiroshima Section 20th Anniversary Celebration Symposium

Celebrating the 20th anniversary of IEEE Hiroshima Section, the special symposium had been held at Nov. 16, 2018. In this symposium, Prof. Toshitaka Tsuda, the Chair of IEEE Japan Council, gave the special talk. In addition, six successive chairs of IEEE Hiroshima Section introduced the history of Hiroshima Section. And also, one keynote and four invited talks were conducted from the fields of academia, student branch, women in engineering, industrial professional, and SMC Hiroshima Chapter.

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, 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 2018 IEEE Annual Elections

In the 2018 IEEE Annual Elections, we had aggressively encouraged our members to vote. As a result, the voting percentage in the Hiroshima Section had been the 3rd highest amongst 58 sections in Region 10.

Meeting the recruiting and retaining goals for the 2018 membership year

We had recognized for meeting the recruitment and retention goals for the 2018 membership year. As a result, we had been awarded the Gold Medal for our outstanding achievement.

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, 2019.
- (2) Board of Directors
 - Four committee meetings plan to hold.
- (3) The 21st IEEE Hiroshima Student Symposium (HISS)
 - The 21st HISS plan to hold at Okayama Prefectural University, Okayama, Japan on November, 2019.
- (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 21st 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 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 grades 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.