

The 2024 Hiroshima Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List

Officers [2023-2024]:

Chair: Hiroji Masuda (Shimane University)

masuda@ecs.shimane-u.ac.jp

Vice Chair: Suguru Kameda (Hiroshima University)

kameda3@hiroshima-u.ac.jp

Secretary: Daisuke Kushida (Tottori University)

kushida@tottori-u.ac.jp

Treasurer: Masaru Fukushi (Yamaguchi University)

mfukushi@yamaguchi-u.ac.jp

Executive Committee Members [2023-2024]:

Zu Soh (Hiroshima University)

[Additional Post: Membership Development Committee Chair]

sozu@hiroshima-u.ac.jp

Kosuke Kato (Hiroshima Institute of Technology)

[Additional Post: Chapter Promotion Committee Chair]

k.katoh.me@cc.it-hiroshima.ac.jp

Jun Imai (Okayama University)

[Additional Post: Educational Activities Chair]

imai-j@okayama-u.ac.jp

Kiyotaka Komoku (Okayama Prefectural University)

[Additional Post: Women in Engineering Committee Chair]

takimoto@c.oka-pu.ac.jp

Makoto Kobayashi (Hiroshima City University)

[Additional Post: Young Professional Committee Chair]

m-kob@hiroshima-cu.ac.jp

Noboru Nakamichi (Fukuyama University)

[Additional Post: Industry Relation Committee Chair]

nakamichi@fukuyama-u.ac.jp

Kenichi Takahashi (Tottori University)

[Additional Post: Student Activities Committee Chair]

takahashi@tottori-u.ac.jp

Hitoshi Sakano (Shimane University)

[Additional Post: Student Activities Committee Chair]

sakano@cis.shimane-u.ac.jp

Hidekazu Murata (Yamaguchi University)

[Additional Post: Fellow Committee Chair]

muratahidekazu@yamaguchi-u.ac.jp

Kazuhiro Uehara (Okayama University)

[Additional Post: Award Committee Chair]

uehara@okayama-u.ac.jp

- Section Highlights

- Section Sponsored Technical and Educational Lectures (Lecture meeting 4, Technical symposium 1): 5
- Section co-sponsored or supported Technical Events: 3
- Total number of Student Branches in Hiroshima Section: 2

- Major Events (International, National)

- The 26th IEEE Hiroshima Student Symposium (HISS) (Details are in Section B.3.3)

- Major Chapter Activities

- SMC Hiroshima Chapter: 7 (Details are in Section B.2)
- Major Student and Affinity Group Activities
 - Hiroshima Section Student Branch: 7 (Details are in Section B.4)
 - Yamaguchi University Student Branch: 6 (Details are in Section B.4)
 - Young Professional Hiroshima/Shikoku/Fukuoka: 4 (Details are in Section B.4)
 - Women in Engineering Shikoku/Fukuoka/Hiroshima: 1 (Details are in Section B.4)
- Awards
 - The 2024 Hiroshima Section Contribution Award: 1

A.2 Financial Report – (Please follow the format given below)

		(Japanese Yen)
Income	Balance carried forward	1,696,746
	Section Assessment	1,275,944
	Section Rebate	708,454
	Student Branch Rebate HSSB and YUSB	26,136
	IEEE-JC Section Support	250,000
	Region 10 Best Membership Retention Medium Section Award	76,607
	Interest	57,169
	Total of Income in Section Account	4,091,056
	Income of HISS (different account from section)	365,001
	Sum of Total of Income in Section Account and Income of HISS	4,456,057
Expense	Section Assessment for IEEE JC	1,094,773
	Chapter Rebate for SMC28	0
	Affinity Group Rebate for HSF YP	46,448
	Student Branch Rebate for HSSB and YUSB	26,136
	Expense for Administrative Meetings	190,760
	Expense for Technical Meetings	42,448
	Section Activities	413,800
	IEEE HSF YP Support	100,000
	Student Branch Support	0
	Postage & Supplies	5,120
	Stationery & Bank charge	44,504
	Reserve for next year	2,055,594
	Support for HISS	229,180
	Exchange gain and loss	-157,707
		Total of Expense in Section Account
	Expense of HISS (different account from section)	365,001
	Sum of Total of Expense in Section Account and Expense of HISS	4,456,057
End-of-Year Balance		0

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
 - Number of Members@ Dec. 2024: 568 [+20 from Dec. 2023]

- Number of Members@ Dec. 2023: 548 [+38 from Dec. 2022]
- Number of Members@ Dec. 2022: 510 [-11 from Dec. 2021]
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

The Hiroshima Section sponsors the HISS (Hiroshima Student Symposium) every year, and students who serve on the committee are encouraged to become student members. Students experience the fun and satisfaction of being a member of the executive committee, and we offer incentives such as merit awards to students who participate in the executive committee as student members. Increasing the number of student members is also a gateway to increasing membership. (Evidence is in Section B.6)

B.2 Chapter Activities

- Total number of Chapters in the Section: 1
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 1
- Summary of Chapter activities (Chapter wise with attachment table/information)
 - Hiroshima Section Chapter, [SMC Hiroshima Chapter], SMC28

List of Chapter Officers of SMC

Chair: Daisuke HIROTANI (Prefectural University of Hiroshima)
 Vice Chair: Tomohiro HAYASHIDA (Hiroshima University)
 Secretary: Tatsuhiro SAKAI (Hiroshima Institute of Technology)
 Treasurer: Yutaka SASAKI (Hiroshima University)

Technical Activities

	Meeting date	Title	Type	Number of days	Number of participants (*)
1	20 Apr. 2024	IEEE SMC Hiroshima Chapter Special Lecture Prof. S. Sekizaki (Hiroshima University)	Technical	1	10(7)
2	27 Jul. 2024	2024 IEEE SMC Hiroshima Chapter Young Researchers' Workshop	Technical	1	36(14)
3	27 Jul. 2024	IEEE SMC Hiroshima Chapter Special Lecture Prof. T. Oyama (Chudenko Cooperation)	Technical	1	36(14)
4	7 Oct. 2024	Special Session on Advanced System with Advanced Computational Techniques to the Real-Life Applications in SMC2024	Technical	1	43(43)
5	16 Nov. – 17 Nov. 2024	The 26 th IEEE Hiroshima Section Student Symposium (HISS 26th)	Technical	1	**(**)
6	15 Dec. 2024	IEEE SMC Hiroshima Chapter Special Lecture Prof. A. Hara (Hiroshima City University) and IEEE SMC Hiroshima Chapter Award Commemorative Lecture Mr. M. Urabe (Hiroshima University)	Technical	1	9(9)

* Number of participants of IEEE members

Membership Communication and Advancement

section newsletters	Chapter newsletters	Chapter meetings	E-mail	Website (*)	Other (**)
No	No	Yes	Yes	Yes	Telephone/ E-mail

Awards:

“IEEE SMC Hiroshima Chapter Young Researcher Award”, selected from 2024 IEEE SMC Hiroshima Chapter Young Researchers’ Workshop
Award Winner: Mr. Masayuki Urabe (Hiroshima University)

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

(B.3.1) 2024 General Assembly of IEEE Hiroshima Section

Jan. 27, 2024 (Hybrid), Attendance: IEEE Members: 78 (letters of attorney: 57)

(B.3.2) Administrative Meetings

Administrative meetings were held 5 times.

1. The 1st Board of Directors on January 27, 2024 (Hybrid)
Attendance: Officers and Executive Committee Members 12
 2. The 2nd Board of Directors on March 30, 2024 (Hybrid)
Attendance: Officers and Executive Committee Members 12
 3. The 3rd Board of Directors on May 25, 2024 (Hybrid)
Attendance: Officers and Executive Committee Members 13
 4. The 4th Board of Directors on September 20, 2024 (Hybrid)
Attendance: Officers and Executive Committee Members 14
 5. The 5th Board of Directors on November 16, 2024 (On Site)
Attendance: Officers and Executive Committee Members: 11
- <https://www.ieee-jp.org/section/hiroshima/e/activity-report/>

(B.3.3) Lectures and Events

(1) Section sponsored Technical and Educational Lectures: 5 (Lecture meeting 4, Technical symposium 1)

■ Lecture Meetings were held 4 times.

1. Special Lecture
Title: Present Status and Prospects of Right/Left-Handed Composite Metamaterial Lines Including Non-Conflicting Elements
Speaker: Prof. Kensuke Okubo (Okayama Prefectural University)
Location: RCC Cultural Center and online (Google Meet)
Date: Jan. 27, 2024
Attendance: 21 (IEEE Member: 21)
2. Technical Lecture
Title: Efforts Related to Wireless Networks for the Convergence of Physical and Digital Space
Speaker: Dr. Makoto Kobayashi (Hiroshima City University)
Location: NPD Kashikaigishitu and online (Zoom)
Date: Mar. 30, 2024
Attendance: 16 (IEEE Member: 15)
3. Technical Lecture
Title: "Realize your own thoughts and feelings!" From the Standpoint of HISS Steering Committee Member
Speaker: Dr. Masashi Hotta (Yamaguchi University)
Location: Shimane University and online (Google Meet)
Date: May 25, 2024
Attendance: 50 (IEEE Member: 23)
4. Technical Lecture
Title: Radio Propagation Research Efforts for Next Generation Wireless Communication Systems
Speaker: Prof. Kentaro Saito (Tottori University)
Location: Tottori University and online (Google Meet)
Date: Sept. 20, 2024
Attendance: 15 (IEEE Member: 15)

■ Technical symposium (HISS2024) was held as follows:

The 26th IEEE Hiroshima Section Student Symposium (HISS) was held in November 16, 17, 2024 via Hiroshima City University. HISS is an event, "for society by student" mainly planned and managed by the students.

The number of attendances for the 26th HISS is 174 (sum of two days).

The contents of this symposium are as follows;

- Keynote lecture
Title: High-tech Security Systems
Speaker: Mr. Tatsuro Kawaguchi (Kumahira Co., Ltd)
- Three presentations from industrial company
- Two presentations from academic laboratories
- Technical presentations (Number of Technical Presentations: 78)
- High school student presentations (Number of Presentations: 4)
- On this symposium, following prizes are awarded:
Selected by the Nomination Committee of HISS Research Award.
HISS Best Paper Award: 1
HISS Excellent Paper Award: 16
HISS English Presentation Award: 0
IEEE WIE Shikoku, Fukuoka, and Hiroshima Section Award: 1
Selected by the vote of attendances.
HISS Best Presentation Award: 1
HISS Second-prize Presentation Award: 1
HISS Good Presentation Award: 5
HISS Best High School Student Presentation Award: 1
HISS Good High School Student Presentation Award: 1
HISS Good Presentation Award for Academic Laboratories: 1

<http://www.ieee-jp.org/section/hiroshima/e/>



The 26th HISS Technical Presentation

B.4 Students Activities

- Total number of Student Branches in the Section: 2
- Number of Student Branches formed in the current year: 0
- Section level student activities (student congress, paper and other contests, awards etc) : 0
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 2
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

- Hiroshima Section Student Branch:
 - Activity 1: Executive change meeting**
 February 2, 2024
 Location: Online (Google Meet)
 Number of participants: 9
 Description: The determination and succession of officers for this year
 - Activity 2: First executive meeting**
 February 26, 2024
 Location: Online & offline (Google Meet & Tottori University)
 Number of participants: 4
 Description: The check of the transfer status and determination of this year's activities
 - Activity 3: IEEE JC-SAC Online seminar 2024 with an explanation of R10-SYWL**
 April 1, 2024
 Location: Online (Teams)
 Number of participants from our branch: 1
 Description: The explanation regarding the operation of Student Branch.
 The explanation of SBLTW and R10-SYWL and recruitment of participants
 - Activity 4: Second executive meeting**
 August 23, 2024
 Location: Online (Google Meet)
 Number of participants: 4
 Description: The check of a SBLTW's poster and its correction.
 - Activity 5: IEEE Student Branch Leadership Training Workshop 2024**
 August 29, 2024
 Location: Shibuya, Tokyo
 Number of participants from our branch: 2
 Description: Participated in SBLTW and communicated with other SB students through poster presentation on our student branch activities.
 - Activity 6: Support HISS 26th**
 November 16-17, 2024
 Location: Hiroshima City University
 Number of presentations: 81
 Description: Supported 26th IEEE Hiroshima Section Student Symposium (HISS 26th) held at Hiroshima City University and had poster presentations.
 - Activity 7: Report on IEEE SB Online Seminar and HTC2024**
 December 16, 2024
 Location: Online (Teams)
 Number of participants from our branch: 1
 Description: The explanation of how to create an annual plan for next year's officers, and sharing reports of other SBs participated in HTC2024
- Yamaguchi University Student Branch:
 - Activity 1: Presentation Workshop**
 April 12, 2024
 Location: Yamaguchi University
 Number of Participants from our branch: 8
 - Activity 2: PSIM Workshop**
 April 15, 2024
 Location: Yamaguchi University
 Number of Participants from our branch: 8
 - Activity 3: Executive change meeting**
 April 26, 2024
 Location: Online
 Number of Participants from our branch: 9
 - Activity 4: LaTeX workshop for beginners**
 May 1, 2024
 Location: Yamaguchi University
 Number of Participants from our branch: 8
 - Activity 5: Recommendations for Doctoral Programs**
 May 8, 2024

Location: Online

Number of Participants from our branch: 13

Activity 6: Substrate processing workshop

May 22, 2024

Location: Yamaguchi University

Number of Participants from our branch: 11

B.5 Affinity Group Activities

- Young Professional (YP)
 - Student Grand Exchange (Cosponsored by IEICE, IEEJ, IEEE, ITE, IEIJ, IEIEJ, SICE, IEEE HSF YP)**
 - September 21, 2024
 - Location: The University of Tokushima
 - Number of participants: 108 (72 questionnaire respondents, 11 IEEE members)
 - A student exchange meeting was held during the lunch hour of the Shikoku Joint Convention of the Shikoku Sections of the Institutes of Electrical, Electronics, and Information Engineers (hereinafter referred to as the “Joint Convention”). We asked two students from the IEEE HSF YP to give lectures to have the students take the initiative in the exchange.
 - Mazda Museum Tour (organized by Mazda)**
 - September 25, 2024
 - Location: Mazda Museum
 - Number of participants: 9
 - With the aim of raising awareness of building careers as engineers and researchers, HSF YP organized a tour of the Mazda Museum for IEEE student members and young members of universities and other research institutes.
 - E3 Idea Competition (organized and co-organized by Student Branch, Kyushu University)**
 - September 30, 2024
 - Location: Lecture Room 7, Kyushu University Integrated Learning Plaza (Hybrid)
 - Participants: 22 (including 4 online participants)
 - Others: IEEE R10 SYWL Congress 2024 Poster Session (supported), Study Lab 2024 in Sendai (supported), Kansai YP 10th anniversary event (cooperation), 4 board meetings**
- Women In Engineering (WIE)
 - Presentation of “IEEE WIE Shikoku, Fukuoka and Hiroshima Section Award” at the 26th IEEE Hiroshima Section Student Symposium (HISS)**
 - November 16-17, 2024

B.6 Awards & Recognition Activities

- Award constituted by the Section
 - The 2024 Hiroshima Section Contribution Award: Dr. Satoshi Taoka (Hiroshima University)
 - The 26th HISS Distinguished Contribution Award: 1 student
 - The 26th HISS Contribution Award: 7 students
 - The 26th HISS Distinguished Activity Award: 7 students
 - The 26th HISS Activity Award: 27 students



The 2024 Hiroshima Section Contribution Award:
Dr. Satoshi Taoka (Right) and
Prof. Hiroji Masuda (Hiroshima Section Chair)



The 26th HISS Distinguished Contribution Award:
Mr. Ryo Matsuda (The 26th HISS Executive Committee Chair) and
Prof. Hiroji Masuda (Hiroshima Section Chair)

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
 - 2023 IEEE Region 10 Best Membership Retention, Medium Section Award

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

- Newsletter (name and number of issues in the year)
- Home Page of the Section (give the URL and how often it is updated)

Section website

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

The website of Hiroshima Section Student Branch

- <https://ieeehiroshimassb.sakura.ne.jp/web/> (in Japanese)

The website of Yamaguchi University Student Branch

- <http://ysb.eee.yamaguchi-u.ac.jp/> (in Japanese)
 - The website of IEEE SMC chapter in Hiroshima Section**
 - <https://www.ieee-jp.org/section/hiroshima/chapter/SMC-28/> (in Japanese)
 - <https://www.ieee-jp.org/section/hiroshima/chapter/SMC-28/english/> (in English)
 - The website of 26th HISS**
 - <https://hiss26th.sakura.ne.jp> (in Japanese)
- Other means of contacts with Section members including social media
 - Section Facebook page**
 - <https://www.facebook.com/ieee.hiroshima/> (in Japanese)

PART C - OTHERS

C.1 Special Events

The 26th IEEE Hiroshima Section Student Symposium (HISS) (refer to Section B.3.3)

HISS is the one of unique events in IEEE Hiroshima Section whose purpose is to support the growth of students with independence and a 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. Based on the interest from students' point of view, the topics of the Keynote Speech and the Technical Lecture in HISS are selected. A major part of the income of the symposium was obtained by support from the Hiroshima Section, IEEE Japan Council, some sections of domestic technical societies, and presenters' submission fee. The IEEE Hiroshima Section hopes to grow this HISS to surrounding sections and it to be one of unique events 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 Universities.

C.3 Collaboration with other IEEE Sections

- Joint activities with any other Section
- The Hiroshima section is also co-sponsoring and co-sponsoring the conference with other sections through the IEEE Japan Council.

C.4 Support extended to Sub-sections & Society Chapters within the Section

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

- Joint activities with any other Section
- An incentive program is provided for student members who present at HISS or at international conferences.

C.6 Problems anticipated and suggestions for solutions, if any

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

(D.1.1) General Assembly

Annual meeting plan to hold via Hotel Hiroshima Garden-palace on January 26, 2025.

(D.1.2) Board of Directors

Four committee meetings plan to hold.

(D.1.3) The 27th IEEE Hiroshima Student Symposium (HISS)

The 27th HISS plan to hold at Tottori University, Tottori, Japan on November, 2025.

(D.1.4) Technical Lectures

Planning at least 4 Sponsored Technical Lectures and at least 3 co-sponsored or supported Technical Lectures and/or Forums with other National Societies in Japan.

(D.1.5) Encouragement of student members

Strongly encourage the student members to present their research work at the international and 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 also encourage active members to try out for senior membership and increase the presence of the Hiroshima Section.
- We try to find the system for active communications between academic and company members.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

D.4 Business Plan for Sustainable Growth and Financial Stability.

HISS, organized by the Hiroshima Section, attracts many excellent graduate students. Therefore, it is considered to be used as a platform to connect students and companies. Companies may become stable sponsors of HISS because they will have a place to meet promising researchers and engineers, which will lead to the stable management of the Hiroshima Section and HISS.