

Region 10 Shin-etsu Section Report

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List
 - Chair: Takashi Yukawa, Nagaoka University of Technology
 - Vice-chair: Hiroyoshi Tamada, Niigata University
 - Secretary: Yasunori Sugita, Nagaoka University of Technology
 - Treasurer: Mikihiko Nishiara, Shinshu University
 - Past-chair: Toshiro Sato, Shinshu University
 - Membership Development Chair: Kenichi Itoh, Niigata Institute of Technology
 - Student Activities Chair: Jun Ogawa, Niigata University
 - Nominations Chair: Hiroki Kuroda, Nagaoka University of Technology
 - Technical Program Chair: Hernan Aguirre, Shinshu University
 - Tokyo/Shin-etsu Joint Section WiE liaison:
 - Juan Padron, Nagaoka University of Technology
 - Tran Phuong Thao, Nagaoka University of Technology
 - Past-secretary: Pauline N. Kawamoto, Shinshu University
- Section Highlights
 - 3 board meetings
 - 2 IEEE sessions in coordination with IEICE and IEEJ where IEEE Shin-etsu Section presented awards to 2 excellent students
 - Section Student Branch (SSB) presented awards to 3 excellent students at online oral session (12/4)
 - 1 medal ceremony celebrating new Senior Members
 - The Shin-etsu Section cooperated in holding IEEE Japan SYWL2023 (11/24)
 - The Shin-etsu Section hosted the Japan Council Metro Area Workshop (MAW 2023, 11/25)
 - 1 invited lecture event co-hosted with the IEEE Shin-etsu Section Student Branch and IEEE Tokyo/Shin-etsu Joint Section Women in Engineering Affinity Group (12/4)
- Major Events (International, National)
 - Domestic Events
 - ◇ 3 board meetings: 6/29, 9/24, 10/28
 - ◇ 2 IEEE sessions: 9/24, 10/28
 - ◇ SSB online oral session (12/4)
 - ◇ 2 seminars: 8/30, 12/4
- Major Chapter Activities
 - ◇ 1 DL seminar: 5/23 (30 attendees)
 - ◇ 1 symposium co-organized with Nagano Industrial and Commercial Encouragement Organization: 12/12 (20 attendees)
- Major Student and Affinity Group Activities
 - Shin-etsu SSB: The IEEE Shin-etsu SSB composed by Shinshu Univ., Nagaoka Univ. Tech., and Niigata Univ. officially started in Jan. 2019 and is actively providing opportunities to exchange various information not limited to research and promote friendship within local community. They held outreach events for students at each campus, online oral session (12/4), and board meetings online. They also attended IEEE online seminars and leadership training offered to the student branches and IEEE Japan SYWL 2023.



Eleven technical presentations given at IEEE Shin-etsu Section Student Branch online oral session, December 4, 2023.

Tokyo/Shin-etsu Joint Section WiE affinity group: The Tokyo/Shin-etsu Joint Section Women in Engineering (WiE) affinity group established in 2020 held outreach and networking events online and on-site throughout 2023 (International Women’s Day Online Coffee Break event 3/8, International Women in Engineering Day Online and IEEE WIE Day Coffee-Breaks 6/23, 6/24 with members from the IEEE Student Branch at UC Irvine in California, and 5 invited lectures at national and international engineering conferences and events inside Japan). The annual Women in Engineering 2023 Symposium (12/2, 101 participants, 35 on-site, 66 online) was held in a hybrid format with guests from inside and outside of IEEE, men and women, young and old. Overall Tokyo/Shin-etsu WIE membership increased from 66 to 77 over 2023, including 4 new members from the Shin-etsu Section.



WIE 2023 Symposium held at Aoyama Gakuin University, Aoyama Campus, December 2, 2024 (101 participants, 35 on-site, 66 online).

Furthermore, we contributed an article reporting Tokyo/Shin-etsu WIE's activities to the Region 10 CONNECT Newsletter.

URL: <https://newsletter.ieeer10.org/ieeer10-newsletter-april-2023/>

- Awards
 - The IEEE Shin-etsu section presented the Young Researcher Paper Award to 2 students, and the SSB presented various awards to 3 students
 - Commemorative medal to one new senior member

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

- Summary (as per submitted on NetSuite)
Our balance at the end of 2022 was 1,853,896 yen. Income for 2023 totaled 958,597 yen. Expenses in 2023 were 1,470,466 yen, resulting in a balance at the end of 2023 of 1,342,027 yen, which is about USD\$8,946.85 at an exchange rate of 150 yen/USD.
- Any other financial activities
No other activities.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Grade	2/2024	2/2023	2/2022
Student Member	11	9	12
Senior Member	13	13	14
Member	158	157	160
Life Senior	2	2	2
Life Member	7	7	7
Life Fellow	3	3	2
Graduate Student Member	25	21	27
Fellow	1	1	2
Associate Member	5	3	3
Affiliate	4	5	5
Total	229	221	234

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
In order to increase membership, we offer awards to student members and encourage professional members to apply for higher membership status. From 2021, a memorial medal is awarded to every new senior member. The executive committee members have worked closely with the section student branch board members to take advantage of the membership drive materials and novelty goods provided by IEEE at their outreach events.

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)

We have one chapter in our section. MAG-33 (Shin-etsu) chapter organized and/or co-sponsored one DL lecture (5/23, 20 participants) and one technical meeting (12/12, 30 participants) in 2023:

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

- Shin-etsu Section hosted the Japan Council Metro Area Workshop (MAW 2023), organized by IEEE Shin-etsu Section, IEEE Japan Council, and the Research Center for Aerospace Systems at Shinshu University. The workshop featured five lectures delivered by professionals in the aerospace field from government, industry, and academia. A total of 101 individuals participated, including professionals from Shin-etsu region and university students.

B.4 Students Activities

- Total number of Student Branches in the Section: 1
- Number of Student Branches formed in the current year: 0
- Section level student activities (student congress, paper and other contests, awards etc)
 - Oral/poster sessions
 - SSB board meetings
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 1
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

The IEEE Shin-etsu SSB composed by Shinshu Univ., Nagaoka Univ. Tech., and Niigata Univ. officially started in Jan. 2019 and is actively providing opportunities to exchange various information not limited to research and promote friendship within local community. They held outreach events for students at each campus, online oral session (12/4), and board meetings online. They also attended IEEE online seminars and leadership training offered to the student branches and IEEE Japan SYWL 2023.

B.5 Affinity Group Activities

- Young Professional (YP)
- Women In Engineering (WIE)

The Tokyo/Shin-etsu Joint Section Women in Engineering (WiE) affinity group established in 2020 held outreach and networking events online and on-site throughout the year (International Women's Day Online Coffee Break event 3/8, International Women in Engineering Day and IEEE WIE Day Online Coffee-Breaks 6/23, 6/24 with members of the IEEE Student Branch at UC Irvine in California, and 5 invited lectures at national and international engineering conferences and events in Japan). The annual Women in Engineering 2023 Symposium (12/2, 101 participants, 35 on-site, 66 online) was held in a hybrid format. Furthermore, we contributed an article reporting Tokyo/Shin-etsu WIE's activities to the Region 10 CONNECT Newsletter.

URL: <https://newsletter.ieeer10.org/ieeer10-newsletter-april-2023/>

- Life Member (LM)
The Shin-etsu Section has no Life Member Affinity Group.
- IEEE Japan Council SYWL 2023
The Shin-etsu Section led the organizing committee for the IEEE Japan Council SYWL2023 on November 24th at Shinshu University. The subtitle of the conference was "SHIN ENGINEER". A total of 64 participants, comprising 47 IEEE members and 17 non-member students attended. The program featured keynote speeches and group discussions,

B.6 Awards & Recognition Activities

- Award constituted by the Section

In the Shin-etsu Section, we presented 2 excellent paper awards to students who presented their work at the IEEE Sessions held in conjunction with the IEICE Shin-Etsu Chapter Convention and the IEEEJ Tokyo Section Niigata Chapter Convention. In addition, three students were recognized at an oral session hosted by the student branch.

We also presented commemorative medals to one section member who were elevated to Senior Member grade in 2023.

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
 - 2022 IEEE Region 10 Best Membership Retention Small Section Award (March 4, 2023)

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)
- Other means of contacts with Section members including social media

Our main method of communication with members in our section is via our homepage and eNotice announcements and mailings. The URL of the English version of the homepage is:

<https://www.ieee-jp.org/section/shin-etsu/index-e.html>

Our homepage is updated as quickly as possible when new information is available (typically every 1-2 months).

B.8 Industry Relations

- Membership growth and retention
- Activities for/with industrial members
 - The Shin-etsu Section hosted the Japan Council Metro Area Workshop (MAW 2023) on November 25th, organized by the IEEE Shin-etsu Section, the IEEE Japan Council, and the Research Center for Aerospace Systems at Shinshu University. We arranged for lecturers from the government, industry, and academia to present on aerospace topics at the workshop. A total of 101 individuals participated, including professionals from the Shin-etsu region's industry and university students.

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- SIGHT Activities

We have no committee or activities for Humanitarian Technology (SIGHT) at this time, but we will support them if they are formed in the future.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”

We have no annual IEEE social activities currently, but plan to combine medal ceremony events with social events for the section members in the future.

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
- Funding secured from the IEEE and external sources including sponsorships

N/A

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

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

There are several Japanese professional societies such as the IEICE and IEEJ with which we co-sponsor and co-locate events. Since many people are members of both the IEEE and one or both of the IEICE and IEEJ groups, it is our policy to work in cooperation with these societies to promote engineering in the Shin-etsu region of Japan. To this end, we co-sponsor and co-organize many events.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

The Tokyo/Shin-etsu Women in Engineering (WiE) affinity group is a joint section effort. The organizing committee for the annual IEEE Japan Council Students/Young Professionals/Women in Engineering/Life Members (SYWL 2023) Congress (11/24, 64 participants) was successfully headed by the Shin-etsu Section in collaboration with the Student Activities, Young Professionals, Women in Engineering, and Life Members affinity groups and committees of the Japan Council. The event

program included talks from IEEE Volunteer Leadership Training (VOLT) program and the IEEE R10 Humanitarian Technology Activities (HTA) committee.



IEEE Shin-etsu Section led the organizing committee for the annual IEEE Japan Council Students, Young Professionals, Women in Engineering, Life Members (SYWL 2023) Congress, November 24, 2023 (64 participants) in collaboration with the SYWL affinity group and committee members across Japan.

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

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

We currently have no Sub-sections and no special support for 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)

To encourage interactions between mixed grade members, the section board members and SSB board members work together on the judging of student awards at the annual IEEE sessions of our section.

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

None.

PART D - GOALS AND PLANS

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

In 2024, we will continue to provide awards as described above. Also, we will try to organize technical meetings at each university in the Shin-etsu region every year.

D.2 Goals and Future Plans

In the future, we will try to connect members to activate the section student branch, a Young Professionals branch, and the joint section WiE affinity group. The relatively small number of members in our section is a major obstacle, so we must consider how to increase our membership.

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

Plan IEEE sessions and events that will benefit students and connect them with our higher grade members to gain new members and sustain membership.

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

The Shin-etsu Section conducts its yearly activities within a financially stable budget plan using income from the annual Section Assessment and Section Rebate. The income and expenses for the section have been balanced for the past three years and we plan to continue the same style of budget planning in the coming year.