

# 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
  - 4 board meetings
  - 2 IEEE sessions in coordination with IEICE and IEEJ where IEEE Shin-etsu Section presented awards to 2 excellent students
  - Special lecture and online oral session coordinated by Section Student Branch (SSB) (12/20)
- Major Events (International, National)
  - ✓ International Events
  - ✓ National Events
    - ◇ 4 board meetings: 7/8, 9/28, 11/2, 12/21
    - ◇ IEEE sessions: 2 oral and 1 poster sessions on 9/28 and 11/2
    - ◇ SSB online oral session (12/20)
- Major Chapter Activities
  - ◇ Student research presentation co-organized with IEEJ Tokai Section: 2/16
  - ◇ 1 symposium co-organized with Nagano Industrial and Commercial Encouragement Organization: 12/19
- 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 (12/20), and board meetings online. They also attended IEEE online seminars and leadership training offered to the student branches and IEEE R10 SBLTW 2024 and SYWL Congress 2024.

Tokyo/Shin-etsu Joint Sections WiE affinity group: The Tokyo/Shin-etsu Joint Sections Women in Engineering (WiE) affinity group established in 2020 held outreach and networking events online and on-site throughout 2024 (hosted online coffee breaks for International Women's Day 3/8, International Women in Engineering Day and IEEE WIE Day 6/23, IEEE Day 10/1, performed outreach support at STEM workshop event @ Nagoya Institute of Technology with Anritsu Corporation 8/3) and provided co-chair and keynote speaker for the WIE track special session at the R10 SYWL 2024 Congress in Tokyo 8/30. The annual Women in Engineering 2024 Symposium and networking event (12/21, 122 participants, 38 on-site, 84 online) was held in a hybrid format with guests from inside and outside of IEEE, men and women, young and old.



**WIE 2024 Symposium**

*WIE 2024 Symposium held at Tokai University, Shinagawa Campus, December 21, 2024 (122 participants, 38 on-site, 84 online).*

Overall Tokyo/Shin-etsu WIE membership increased from 66 to 82 from 2023, including 5 new members from the Shin-etsu Section. Also, the percentage of male members in the affinity group increased from 20% to 31.7%.

Furthermore, we contributed to the R10 newsletter article reporting the R10 SYWL 2024 Congress event in Tokyo.

URL: <https://newsletter.ieeer10.org/ieeer10-newsletter-october-edition-2024/>

- Awards
  - The IEEE Shin-etsu section presented the Young Researcher Paper Award to 2 students

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

- Summary (as per submitted on NetSuite)  
Our balance at the end of 2024 was 2,149,194 yen. Income for 2024 totaled 1,623,361 yen. Expenses in 2024 were 816,194 yen, resulting in a balance at the end of 2024 of 807,167 yen, which is about USD\$5,207.53 at an exchange rate of 155 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	2/2025	2/2024	2/2023
Student Member	13	11	9
Senior Member	11	13	13
Member	167	158	157
Life Senior	2	2	2

Life Member	8	7	7
Life Fellow	3	3	3
Graduate Student Member	29	25	21
Fellow	2	1	1
Associate Member	3	5	3
Affiliate	3	4	5
Total	241	229	221

- 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 co-hosted one student research presentation (2/16) and one technical meeting (12/12) in 2024. In addition, joint meetings of magneto-electronics and advanced power electronics were held on 12/19, co-hosted by MAG-33 (Shin-etsu) chapter.

## 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.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 Section Student Branch (SSB) composed of members from Shinshu Univ., Nagaoka Univ. of Tech., and Niigata Univ. was established in 2019 and is actively providing opportunities to exchange information not limited to research among the students and higher grade members and promote friendship within the local communities. For membership development event, they held outreach events for students at each campus, 1 online oral session (12/20), and board meetings. They also attended IEEE online seminars and leadership training offered to the student branches and IEEE R10 SBLTW 2024 and SYWL Congress 2024.

## B.5 Affinity Group Activities

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

In addition to outreach and networking activities during the year and an annual symposium event, the Tokyo/Shin-etsu Joint Sections Women in Engineering (WiE) affinity group co-sponsored four events with other WIE affinity groups in Japan, Tokyo Section Young Professionals, and Shin-etsu Section Student Branch.



*IEEE Tokyo/Shin-etsu Joint Section WIE end-of-the-year red carpet event for celebrating member achievements and new senior members in 2024.*

A special red carpet ceremony event was held at “Hogetsudo“ in Tokyo (12/22, 22 participants) to acknowledge the newly elevated Senior Members and celebrate the achievements of our members with family and friends closed out the year. New executive committee members were elected for the 2025-26 term.

- Life Member (LM)

## B.6 Awards & Recognition Activities

- Award constituted by the Section

In the Shin-etsu Section, we presented 2 excellent paper/poster awards to students who presented their work at the IEEE Sessions held in conjunction with the IEICE Shin-Etsu Chapter Convention and the IEEE Tokyo Section Niigata Chapter Convention.

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year

◇ 2024 Region 10 Outstanding Small 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)
- 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

We have no events targeting industrial members currently, but there are many industrial companies in the Shin-etsu regions and in the future, we plan to develop relations with these companies.

## **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.

## **C.3 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 IEEE Japan Council and all nine sections of Japan collaborated to jointly host the IEEE Region 10 SYWL 2024 Congress August 29 – September 1 at the National Olympics Memorial Youth Center in Tokyo.

## **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 2025, 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.