

# IEEE Sapporo Section Annual Report 2024

February 10, 2025

## **PART A - SECTION SUMMARY**

### **A.1 Executive Summary**

- Section Executive Committee Member List
  - Chair: Hajime Igarashi
  - Vice Chair: Kunimasa Saitoh
  - Secretary/Treasurer: Koichi Kobayashi
  - Auditors: Takeshi Fujisawa, Tatsuya Kashiwa
  - Chair of Fellow Nomination Committee: Naoto Yoshimoto
  - Chair of Membership Development Committee: Hirofumi Sanada
  - Chair of Student Activities Committee: Mianxiong Dong
  - Chair of Publications Committee: Tetsuya Asai
  - Chair of Nominating Committee: Kunitoshi Motoki
  - Chair of Technical Program Committee: Hiroshi Tsutsui
  - Chair of Award Committee: Tetsuya Asai
  - Other Executive Committee Members: Masanori Koshiba, Yuichi Fujino, Takanori Sato, Miki Haseyama, Kaoru Sumi, Takeo Ohgane, Toshihiko Nishimura
  - Student Representative: Hui Chen
- Major Events (National)
  - 6 technical meetings were delivered.
  - We co-sponsored a domestic conference named 2024 Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers
  - We organized IEEE IDEA JAM 2024 in collaboration with IEEE Japan Council and IEEE WIE Sapporo Section.
- Major Student and Affinity Group Activities
  - Hokkaido University and Muroran Institute of Technology Student Branches organized one special networking session in Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers to exchange their experiences in university life. This session was co-organized with IEICE Muroran Institute of Technology Student Branch.
  - Hokkaido University and Muroran Institute of Technology Student Branches co-organized a domestic symposium for students named IEICE Hokkaido Section SAC Internet Symposium with IEICE Hokkaido Section Student Activity Committee and IEICE Muroran Institute of Technology Student Branch.
  - Hokkaido University and Muroran Institute of Technology Student Branches jointly organized Student Branch Joint Workshop in collaboration with Sapporo Section YP. This workshop was held concurrently with the 4th Hokkaido Young Professionals Workshop.
  - Muroran Institute of Technology Student Branch organized/co-organized 25 technical meetings/lectures.
  - Hokkaido University Student Branch co-organized 9 technical meetings.
  - Sapporo Section WIE organized 6 technical meetings/lectures and one event.
  - Sapporo Section YP organized/co-organized 26 technical meetings/lectures. Furthermore, one young professional were awarded by YP.
  - Sapporo Section LMAG co-organized 5 technical meetings and held one committee meeting.
- Awards
  - We organized the following two types of student awards.
    - IEEE Sapporo Section Student Paper Contest
    - IEEE Sapporo Section Student Paper Awards

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

- Summary (as per submitted on NetSuite)
  - Income: JPY 1,395,418
    - Rebate from IEEE HQ JPY 754,327
    - Region 10 Assessment JPY 640,885
    - Non-IEEE CB Account Interest JPY 206
  - Expense: JPY 1,779,994
    - Meetings & Social Events Expense JPY 17,984
    - Educational Activities Expense JPY 239,296
    - Student Activities Expense JPY 130,289
    - Grants & Awards JPY 110,000
    - Other Program Expenses JPY 50,000
    - Travel Expense JPY 471,828
    - Support to Sections/Chapters Expense JPY 532,745
    - Other Management & General Expenses JPY 227,852
  - Cash on Hand at Beginning of Year: JPY 2,818,956
  - Cash on Hand at End of Year: JPY 2,434,380
- Any other financial activities (IEEE NextGen Banking)
  - Income: USD 12.71
    - Interest USD 12.71
  - Expense: USD 0
  - Cash on Hand at Beginning of Year: USD 4,201.28
  - Cash on Hand at End of Year: USD 4,213.99

## **PART B - ORGANIZATIONAL ACTIVITIES**

### **B.1 Membership Development Activities**

- Total number of active members in the past 3 years.
  - End of 2022: 331
  - End of 2023: 322
  - End of 2024: 346
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - 6 technical meetings
  - Support to new student members

### **B.2 Chapter Activities**

- Total number of Chapters in the Section
  - No chapters other than joint chapters.
- Number of Chapters formed in the current year
  - None.

### **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

The following 6 speakers were invited as educational/technical programs.

1. Schedule: April 17, 2024, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches, YP
  - Title: From potential methods to Lyapunov functions
  - Lecturer: Prof. Yuh Yamashita, Hokkaido University, Japan
2. Schedule: May 29, 2024, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches, YP
  - Title: Uncertainty Quantification in Electrical Engineering - Application to Electrical Machine Manufacturing and Eddy Current
  - Lecturer: Prof. Stéphane Clenet, Arts et Métiers Institute of Technology, France
3. Schedule: July 18, 2024, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches, YP
  - Title: A simple and easy way to write a thesis: A logical structure that will give you an aha moment
  - Lecturer: Dr. Akihiko Sugiyama, Damasu. Kasu, Japan
4. Schedule: July 19, 2024, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches, YP
  - Title: Promoting Yourself: How to appeal accomplishments for member-level elevation, award nomination, and promotion in the company.
  - Lecturer: Dr. Akihiko Sugiyama, Damasu. Kasu, Japan
5. Schedule: August 1, 2024, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches, YP
  - Title: Advice for science writing
  - Lecturer: Prof. Shuichi Adachi, Keio University, Japan
6. Schedule: November 1, 2024, with Sapporo Section WIE, Hokkaido University and Muroran Institute of Technology Student Branches, YP
  - Title: Design and optimization of permanent magnet motor for electric vehicles
  - Lecturer: Prof. Pirat Khunkitti, Khon kaen University, Thailand

Sapporo Section co-sponsored the following conference.

1. We co-sponsored a domestic conference named 2024 Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers.

#### **B.4 Students Activities**

- Total number of Student Branches in the Section
  - Two student branches (Hokkaido University and Muroran Institute of Technology)
- Section level student activities (student congress, paper and other contests, awards etc.)
  - IEEE Sapporo Section Student Paper Contest  
We awarded eight excellent student presenters at Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers.
  - IEEE Sapporo Section Student Paper Awards  
We awarded five excellent student authors whose papers were published in the IEEE Transactions, Journals, and/or Proceedings.
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
  - Two student branches (Hokkaido University and Muroran Institute of Technology)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
  - In 2024, Student Branches in Hokkaido University and Muroran Institute of Technology organized one special networking session in Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers to exchange their experiences in university life. This session was co-organized with IEICE Muroran Institute of Technology Student Branch. Also, ten technical meetings were jointly held with Sapporo Section.

#### **B.5 Affinity Group Activities**

- Young Professional (YP)
  - 26 technical meetings were held, including the 4th Hokkaido Young Professionals Workshop.
  - 2024 IEEE Sapporo Section Young Professionals Awards  
One young professional was awarded “IEEE Sapporo Section Young Professionals Best Researcher Award”.
- Women In Engineering (WIE)
  - Six technical meetings were jointly held with Sapporo Section.
  - One technical meeting jointly held with Future University Hakodate.
  - IEEE IDEA JAM 2024 was jointly held with Japan Council and Sapporo Section.
  - WIE 2024 was jointly held.
- Life Member
  - 5 technical meetings were jointly held with Sapporo Section.
  - General Assembly and Board Meeting were held.

#### **B.6 Awards & Recognition Activities**

- Award constituted by the Section
  - 2024 IEEE Sapporo Young Professionals Award  
Two young professional was awarded “IEEE Sapporo Young Professionals Best Researcher Award”.

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

- Home Page of the Section (give the URL and how often it is updated)
  - Section's web page:  
<https://www.ieee-jp.org/section/sapporo/>
  - Sapporo Section WIE:  
<https://scrapbox.io/WIE-Sapporo/>

- Sapporo Section YP:  
<https://r10.ieee.org/sapporo-yp/>
  - Student Branch at Hokkaido University  
<https://csw.ist.hokudai.ac.jp/ieee/>
  - Student Branch at Muroran Institute of Technology  
[http://www3.muroran-it.ac.jp/enes/student\\_branch/](http://www3.muroran-it.ac.jp/enes/student_branch/)
- Other means of contacts with Section members including social media
  - eNotice

## **B.8 Industry Relations**

None.

## **B.9 Humanitarian Technology Activities**

None.

## **B.10 Community Activities**

None.

## **PART C - OTHERS**

### **C.1 Special Events**

None.

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

None.

### **C3. Collaboration with other IEEE Sections**

None.

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

None.

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

None.

### **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**

We are planning to organize technical lectures, symposiums, workshops on topics of interests. In some cases, these might be in collaborations with other institutes.

### **D.2 Goals and Future Plans**

- Increasing the membership
- Enhancing the student activities
- Nominations of members for Senior Member and Fellow of the Institute
- Providing better services to the members
- Exploring the possibility of new student branches

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

We do not have any actual ideas. We would like to discuss this issue in the section.

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

We do not have any actual plan yet. We would like to discuss this issue in the section.