# IEEE Sapporo Section Annual Report 2022

February 15, 2023

## PART A - SECTION SUMMARY

### A.1 Executive Summary

- Section Executive Committee Member List
  - Chair: Miki Haseyama
  - Vice Chair: Hajime Igarashi
  - Secretary/Treasurer: Takahiro Ogawa
  - Auditors: Tetsuya Asai, Kunitoshi Motoki
  - Chair of Fellow Nomination Committee: Yoshikazu Miyanaga
  - Chair of Membership Development Committee: Kunimasa Saitoh
  - Chair of Student Activities Committee: Hiroshi Tsutsui
  - Chair of Publications Committee: Hirofumi Sanada
  - Chair of Nominating Committee: Tatsuya Kashiwa
  - Chair of Technical Program Committee: Yuichi Fujino
  - Chair of Award Committee: Hirofumi Sanada
  - Other Executive Committee Members: Kiyohiko Itoh, Kenji Araki, He Li, Takeo Ohgane, Kaoru Sumi, Yukinori Suzuki, Naoto Yoshimoto
  - Student Representative: Keita Mochizuki
- Major Events (National)
  - 5 technical meetings were delivered.
  - We co-sponsored a domestic conference named 2022 Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers which was held by online.
- 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. Also, five technical meetings were organized.
  - Sapporo Section WIE organized five technical meetings/lectures and three workshops/events, and supported one workshop.
  - Sapporo Section YP organized/co-organized 21 technical meetings/lectures and two committee meetings. Furthermore, two young professionals were awarded by YP.
  - Sapporo Section LMAG organized five technical meetings.
- Awards
  - We organized the following two types of student awards.
    - IEEE Sapporo Section Student Paper Contest
    - IEEE Sapporo Section Student Paper Awards
  - 2022 Award ceremony was canceled due to COVID-19.

### A.2 Financial Report

- Summary
  - Income: JPY 1,110,584
    - Rebate from IEEE HQ   JPY 575,860
    - Region 10 Assessment   JPY 534,701
    - Non-IEEE CB Account Interest   JPY 23
  - Expense: JPY 983,204
    - Meetings & Social Events Expense   JPY 0
    - Educational Activities Expense   JPY 130,000
    - Student Activities Expense   JPY 161,343
    - Grants & Awards   JPY 40,000
    - Other Program Expenses   JPY 50,000
    - Travel Expense   JPY 0
    - Support to Sections/Chapters Expense   JPY 596,010
    - Other Management & General Expenses   JPY 5,851

- o Cash on Hand at Beginning of Year: JPY 2,599,182
- o Cash on Hand at End of Year: JPY 2,726,562
- Any other financial activities（IEEE NextGen Banking）
  - o Income: USD 986.2
    - ▪ IEEE R10 Young Professionals New and Dormant Affinity Group Fund 2021 - IEEE Sapporo Section Young Professionals Affinity Group USD 669.48
    - ▪ Transfer to the Sapporo Section The Muroral Institute of Technology SPAx event for $300 USD 300
    - ▪ Interest USD 16.72
  - o Expense: USD 0
  - o Cash on Hand at Beginning of Year: USD 2,302.94
  - o Cash on Hand at End of Year: USD 3,289.14

# PART B - ORGANIZATIONAL ACTIVITIES

## B.1 Membership Development Activities

- Total number of active members in the past 3 years.
  - End of 2020: 314
  - End of 2021: 323
  - End of 2022: 331
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - 5 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 5 speakers were invited as educational/technical programs.

1. Schedule: Aug. 22, 2022, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches
   - Title: Vision and Language + its beyond
   - Lecturer: Dr. Yoshitaka Ushiku, OMRON SINIC X Corp., Japan
2. Schedule: Aug. 26, 2022, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches
   - Title: From image processing research to interdisciplinary research
   - Lecturer: Prof. Koichi Ito, Tohoku University, Japan
3. Schedule: Sep. 27, 2022, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches
   - Title: Audio processing and related technologies for victim searching in disaster-stricken areas using drones
   - Lecturer: Prof. Chinthaka Premachandra, Shibaura Institute of Technology, Japan
4. Schedule: Dec. 5, 2022, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches
   - Title: AI-driven program production support and accessibility improvement
   - Lecturer: Dr. Takahiro Mochizuki, NHK Science & Technology Research Laboratories, Japan
5. Schedule: Dec. 7, 2022, with Sapporo Section LMAG, WIE, Hokkaido University and Muroran Institute of Technology Student Branches
   - Title: "Development" and "Research" in companies - Focusing on topics related to medical imaging -
   - Lecturer: Prof. Satoshi Kondo, Muroran Institute of Technology, Japan

Sapporo Section co-sponsored the following conference.

1. We co-sponsored a domestic conference named 2022 Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers which was held by online.

## 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 2022, 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, five technical meetings were jointly held with Sapporo Section.

## B.5 Affinity Group Activities

- Young Professional (YP)
  - 21 technical meetings and two committee meetings were held, including the 2$^{nd}$ Hokkaido Young Professionals Workshop.
  - 2022 IEEE Sapporo Young Professionals Awards
    Two young professionals were respectively awarded "IEEE Sapporo Young Professionals Best Researcher Award" and "IEEE Sapporo Young Professionals Best Paper Award".
- Women In Engineering (WIE)
  - Five technical meetings were jointly held with Sapporo Section.
  - One event for female students support was held.
  - IEEE Sendai WIE 5$^{th}$ anniversary event was jointly held with WIE Sendai Section.
  - WIE 2022 was jointly held.
  - IEEE JAPAN SYWL+INDUTRY WORKSHOP IN TOKUSHIMA 2022 was supported.
- Life Member
  - Five technical meetings were jointly held with Sapporo Section.
  - Attendance of online R10 LMAG meets of 2022 on Mar. 26, Jun. 19 and Oct. 16.

## B.6 Awards & Recognition Activities

- Award constituted by the Section
  - 2022 IEEE Sapporo Young Professionals Awards
    Two young professionals were respectively awarded "IEEE Sapporo Young Professionals Best Researcher Award" and "IEEE Sapporo Young Professionals Best Paper 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/

- o Student Branch at Muroran Institute of Technology
  http://www3.muroran-it.ac.jp/enes/student_branch/
- Other means of contacts with Section members including social media
  - o 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 plaining 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.