

IEEE Sapporo Section Annual Report 2018

February 8, 2019

PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Executive Committee Member List
 - Chair: Yoshikazu Miyanaga
 - Vice Chair: Takeo Ohgane
 - Secretary/Treasurer: Hiroshi Tsutsui
 - Auditors: Hirofumi Sanada, Hajime Igarashi
 - Chair of Fellow Nomination Committee: Kunimasa Saitoh
 - Chair of Membership Development Committee: Tatsuya Kashiwa
 - Chair of Student Activities Committee: Manabu Omiya
 - Chair of Publications Committee: Yuichi Fujino
 - Chair of Nominating Committee: Kenji Araki
 - Chair of Technical Program Committee: Koji Hasegawa
 - Chair of Award Committee: Yoshikazu Miyanaga
 - Other Executive Committee Members: Kunitoshi Motoki, Naoto Yoshimoto, Miki Haseyama, Tsuyoshi Yamamoto
- Major Events (International, National)
 - 12 technical meetings were delivered.
 - We co-sponsored a domestic conference named 2018 Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers which was held at Future University Hakodate, Hakodate, Hokkaido, Japan.
 - We supported the 21st Meeting on Image Recognition and Understanding (MIRU 2018) which was held at Sapporo Convention Center, Sapporo, Hokkaido, Japan.
 - We technically co-sponsored 2018 International Conference on Applied System Innovation (ICASI) which was held in Chiba, Japan.
 - We co-sponsored 2018 Non-Volatile Memory Systems and Applications Symposium (NVMSA) which was held at the Hakodate Arena, Hakodate, Hokkaido, Japan
- Major Student and Affinity Group Activities
 - Hokkaido University Student Branch 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 Hokkaido University Student Branch.
 - Sapporo Section WIE organized two lectures.
- Awards
 - We organized the following two types of student awards
 - IEEE Sapporo Section Student Paper Contest
 - IEEE Sapporo Section Student Paper Awards
 - 2017 Award ceremony was held in conjunction with 2018 Sapporo Section annual meeting.

A.2 Financial Report

- Summary (as per submitted L50)
 - Income: JPY 849,547
 - 3.10 - Rebate from IEEE HQ JPY 384,522
 - 3.16 - Region 10 Assessment JPY 465,010
 - 3.45 - Non-IEEE CB Account Interest JPY 15
 - Expense: JPY 846,939
 - 4.10 - Meetings & Social Events Expense JPY 16,092
 - 4.60 - Educational Activities Expense JPY 165,000
 - 4.80 - Student Activities Expense JPY 174,753
 - 4.90 - Other Program Expenses JPY 50,000
 - 5.20 - Travel Expense JPY 16,190
 - 5.50 - Support to Sections/Chapters Expense JPY 403,932
 - 5.60 - Other Management & General Expenses JPY 20,972
 - Cash on Hand at Beginning of Year: JPY 1,544,587
 - Cash on Hand at End of Year: JPY 1,547,195

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
 - End of 2016: 278
 - End of 2017: 270
 - End of 2018: 284
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
 - 12 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

The following 14 speakers were invited as educational/technical programs.

1. Schedule: Thu Jan. 18, 2018, 14:30-16:30, with Sapporo Section WIE
 - Title: What is “Research Capacity”? -Creating Institutional Setting for Research at Kyoto University-
 - Lecturer: Tetsuya Shirai, Kyoto University Research Administration Office
 - Title: Integrated Initiatives for Research Capability Enhancement and Institutional Research (IR) at Hiroshima University
 - Lecturer: Yasuhiro Isobe, Hiroshima University
2. Schedule: Fri Mar 16, 2018, 15:20-16:00, with Sapporo Section WIE
 - Title: Research in data science and its promotion for industry-university cooperation
 - Lecturer: Masatoshi Ishikawa of University of Tokyo
3. Schedule: Tue Apr. 3, 2018, 15:30-17:00, with Laboratory of Information Media Environment, Hokkaido University
 - Title: Game Capital Oulu, Finland
 - Lecturer: Takako Uchida, Business Oulu
 - Title: Introduction of Game Development in FingerSoft and RoundZero
 - Lecturer: Daniel Rantala, FingerSoft/RoundZero
4. Schedule: Wed July 4, 2018, 15:00-17:00
 - Title: Research into Radio Environment Maps for Emerging 5G and IoT Networks
 - Lecturer: Prof. Nelson Max, the University of California-Davis
5. Schedule: Wed July 25, 2018, 10:00-12:00, with IEICE Hokkaido Section
 - Title: Research into 5G and IoT Technologies at UTS: From Spectrum Sharing to Blockchain for Security and Trust
 - Lecturer: Dr. Eryk Dutkiewicz, Professor, School Head of Electrical and Data Engineering University of Technology Sydney, Australia
6. Schedule: Tue Aug 28, 2018, 10:00-12:00, with IEICE Hokkaido Section
 - Title: Convergence ICT and Medical Technologies for Smart Disease Diagnosis
 - Lecturer: Director Myung Hoon Sunwoo, IEEE Fellow, Ultra-small-sized Diagnostic and Smart Devices (uDSD) Research Center, School of Electrical and Computer Engineering, Ajou University, Suwon Korea
7. Schedule: Thu Dec 20, 2018, 10:15-11:45, with IEICE Hokkaido Section
 - Title: Research into Internet of Things at UTS
 - Lecturer: Dr. Eryk Dutkiewicz, Professor, School Head of Electrical and Data Engineering, University of Technology Sydney, Australia
8. Schedule: Thu Dec 20, 2018, 13:30-15:00, with IEICE Hokkaido Section
 - Title: Big Data and Internet of Things for Swarm Flying Robots
 - Lecturer: Prof. Elmer Dadios, Professor, De La Salle University, Philippines, IEEE Region 10 ExCom member

9. Schedule: Thu Dec 20, 2018, 15:45-17:15, with IEICE Hokkaido Section
 - Title: IoT and Blockchain: Technologies, Challenges, and Applications
 - Lecturer: Prof. Ren Ping Liu, Professor, University of Technology Sydney, Australia
10. Schedule: Thu Dec 21 2018, 10:15-11:45, with IEICE Hokkaido Section
 - Title: Towards Terabit Wireless Communications
 - Lecturer: Prof. Xiaojing Huang, Professor, University of Technology Sydney, Australia
11. Schedule: Thu Dec 21 2018, 13:30-15:00, with IEICE Hokkaido Section
 - Title: Video Analytics for Surveillance IoT Applications
 - Lecturer: Supavadee Aramvith, Chulalongkorn University, Thailand, EEE EAB PECC Chair, IEICE Bangkok Section Chair
12. Schedule: Thu Dec 21 2018, 15:45-17:15, with IEICE Hokkaido Section
 - Title: Coping with Cyber Security Threats using Game Theory and Artificial Intelligence: Recent Advances and Challenges
 - Lecturer: Dr. Diep Nguyen, Lecturer, School Head of Electrical and Data Engineering, University of Technology Sydney, Australia

Sapporo Section co-sponsored, technically co-sponsored, or supported the following four conferences including two domestic ones.

1. We co-sponsored a domestic conference named 2018 Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers which was held at Future University Hakodate, Hakodate, Hokkaido, Japan.
2. We supported a domestic conference, the 21st Meeting on Image Recognition and Understanding (MIRU 2018), which was held at Sapporo Convention Center, Sapporo, Hokkaido, Japan.
3. We technically co-sponsored 2018 International Conference on Applied System Innovation (ICASI) which was held in Chiba, Japan.
4. We co-sponsored 2018 Non-Volatile Memory Systems and Applications Symposium (NVMSA) which was held at the Hakodate Arena, Hakodate, Hokkaido, Japan

B.4 Students Activities

- Total number of Student Branches in the Section
 - One student branch (Hokkaido University Student Branch)
- Number of Student Branches formed in the current year
 - None
- Section level student activities (student congress, paper and other contests, awards etc)
 - IEEE Sapporo Section Student Paper Contest
We awarded six (9) excellent students presenters at Hokkaido-Section Joint Convention of Institutes of Electrical and Information Engineers.
 - IEEE Sapporo Section Student Paper Awards
We awarded four (5) 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)
 - One student branch (Hokkaido University Student Branch)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
 - In 2018, Hokkaido University Student Branch 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 Hokkaido University Student Branch.

B.5 Affinity Group Activities

- Young Professional (YP)
 - No YP in this section.
- Women In Engineering (WIE)
 - Two lecture/technical meetings were jointly held with Sapporo Section.
- Life Member
 - No affinity group of this type in this section.

B.6 Awards & Recognition Activities

None

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://www-lmd.ist.hokudai.ac.jp/WIE_Sapporo/
- 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
- Establishing new student branches and/or a YP affinity group

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.