

# IEEE Nagoya Section Annual Report 2019

## **PART A - SECTION SUMMARY**

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

- Section Executive Committee Member List

#### **(a) Officers:**

##### Chair:

Dr. Naohiro Hozumi (Professor, Toyohashi University of Technology)  
e-mail: hozumi@ee.tut.ac.jp

##### Vice Chair:

Dr. Kenji Nakazawa (Professor, Kanazawa Institute of Technology)  
e-mail: k.nakazawa@neptune.kanazawa-it.ac.jp

##### Secretary:

Dr. Jun Sato (Professor, Nagoya Institute of Technology)  
e-mail: junsato@nitech.ac.jp

##### Treasurer:

Dr. Naoki Hayakawa (Professor, Nagoya University)  
e-mail: nhayakaw@nuee.nagoya-u.ac.jp

##### Auditor:

Mr. Takahiro Kozawa (TOYOTA Central R&D Labs., Inc.)  
e-mail: kozawa@mosk.tytlabs.co.jp

#### **(b) Standing Committee Chairs:**

##### Nomination Committee:

Dr. Yuji Muramoto (Professor, Meijo University)  
e-mail: muramoto@meijo-u.ac.jp

##### Membership Development Committee:

Dr. Yuki Funabora (Assistant Professor, Nagoya University)  
e-mail: funabora@nagoya-u.jp

##### Technical Activities Committee:

Dr. Kunihiko Sasaki (DENSO Corporation)  
e-mail: ksasaki@rd.denso.co.jp

##### Student Activities Committee:

Dr. Katsuhiro Naito (Associate Professor, Aichi Institute of Technology)  
e-mail: naito@pluslab.org

##### Award Committee:

Dr. Eiji Okamoto (Associate Professor, Nagoya Institute of Technology)  
e-mail: okamoto@nitech.ac.jp

##### Chapter Operation Committee:

Dr. Hideyuki Hasegawa (Professor, Toyama University)  
e-mail: hasegawa@eng.u-toyama.ac.jp

**(c) Past Chairs:**

2017-2018 Chair:

Dr. Yutaka Ishibashi (Professor, Nagoya Institute of Technology)  
e-mail: ishibas@nitech.ac.jp

2015-2016 Chair:

Dr. Takeshi Furuhashi (Professor, Nagoya University)  
e-mail: furuhashi@cse.nagoya-u.ac.jp

2009-2010 Chair, Milestone:

Dr. Masayuki Nagao (Professor, Toyohashi University of Technology)  
e-mail: nagao@tut.jp

- Section Highlights

- (1) Nagoya WIE was established in November 2019, and started its activity. For celebrating the establishment of Nagoya WIE, the Nagoya WIE establishment celebration event was held in December 2019, and the R10 Director Prof. Akinori Nishihara and the former IEEE WIE Chair Prof. Takako Hashimoto gave special lectures.
- (2) Meetings and e-mail discussions were held many times for applying IEEE Milestones from Nagoya Section, and two applications for QR Code and Inverter Air Conditioner were completed in January 2020.
- (3) Nagoya Section recommended Two private companies, NGK and Toyota Central Research Labs, for IEEE MGA Award, and the applications were admitted by the Head Quarter of IEEE. The award ceremony of the IEEE MGA Award was held in December 2019.
- (4) IEEE Nagoya Section Student Research Presentation Awards in IEEE international conferences were given to 9 students. The Award ceremony was held in March 2019.
- (5) IEEE Nagoya Section Student Awards were given to 6 excellent students who presented their research in 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai Area.
- (6) IEEE Nagoya Section Student Awards were given to 3 excellent students who presented their research in 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Hokuriku Area.
- (7) IEEE Nagoya Section Young Researcher Awards were given to 2 excellent young researchers in Nagoya Section. The award ceremony was held in December 2019.
- (8) A number of technical activities were organized and co-organized by Nagoya Section, and a total of 33 events including 4 sponsored events were held successfully in 2019.

- Major Events (International, National)

- (1) A Special Lecture by the President of IEEE was held in May 2019, and the President of IEEE Prof. José M.F. Moura gave a special lecture to the member of Nagoya Section.
- (2) 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai Area was held in September 2019, and 6 excellent student presenters were selected for IEEE Nagoya Section Student Awards.
- (3) 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Hokuriku Area was held in August 2019, and 3 excellent student presenters were selected for IEEE Nagoya Section Student Awards.
- (4) Nagoya WIE Establishment Celebration Event was held in December 2019, and the R10 Director Prof. Akinori Nishihara and the former IEEE WIE Chair Prof. Takako Hashimoto gave us special lectures followed by a celebration party.
- (5) The award ceremony of IEEE Nagoya Section Student Research Presentation Award was held in March 2019, and 9 excellent students were awarded the Research Presentation Awards.
- (6) The award ceremony of IEEE MGA Award was held in December 2019, and two companies were awarded the IEEE MGA Awards.
- (7) The award ceremony of IEEE Nagoya Section Young Researcher Award was held in December 2019, and two excellent young researchers were awarded the Young Researcher Awards

- Major Chapter Activities
  - AP-S Nagoya Chapter organized 3 technical meetings.
  - MAG-S Nagoya Chapter organized 4 technical meetings and 6 IEEE Distinguished Lecturer Meetings.
  - MTT-S Nagoya Chapter organized 4 technical meetings and 10 cooperation events.
  - ITS-S Nagoya Chapter organized 2 technical meetings.
- Major Student and Affinity Group Activities
  - Young Professional Affinity Group (YP) organized a factory tour in September 2019 and a YP Workshop in December 2019.
  - Life Member Affiliate Group (LMAG) organized a symposium on earthquake in August 2019 as well as 3 board meetings in May and November 2019.
  - WIE Affinity Group (WIE) was established in November 2019, and a startup event was held in December 2019.
  - Student Branch in Nagoya University organized two General Meetings in June and December, and research exchanges and workshops were held. The Nagoya University Student Branch also joined 2019 IEEE Student Branch Leadership Training Workshop.
  - Student Branch in Fukui University organized 3 workshops on laser and electronics for domestic students.
- Awards
  - No member was awarded Fellow Grade.
  - Ten members were awarded Senior Member Grade.
  - Two companies were awarded IEEE MGA Awards.

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

- Summary (as per submitted on NetSuite)
  - Total Receipts during the year 2019 were JY3,903,345 including the assessment and rebate of JY3,389,529 from IEEE HQ. The total disbursements amount to JY3,683,884.
- Any other financial activities
  - None

## **PART B - ORGANIZATIONAL ACTIVITIES**

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

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

November 2017: 1,311

November 2018: 1,345

November 2019: 1,319

The number of members of the Nagoya Section as of Nov. 2019 is as follows: (The numbers in parentheses are for Nov. 2018. All figures are from SAMIEEE.)

Fellow:	33	(35)
Senior Member:	96	(88)
Member:	973	(1003)
Associate Member:	25	(31)
Student Member:	192	(188)
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Total	1,319	(1,345)

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - o Several student support activities such as the student research presentation awards in IEEE international conferences and the student awards for research work in local universities and Joint Congresses presentation have been penetrated to the society and positively attracted students for joining the IEEE.
  - o For encouraging Nagoya Section members to apply toward Fellow grade and Senior Member grade, an example of written application form as well as a letter of encouragement were posted on the Nagoya Section's Home Page, and sent to Nagoya Section members by using a Japan Council mailing list service.
  - o Recruiting activities for IEEE membership were held at the sponsored and co-sponsored events.

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

- Total number of Chapters in the Section
  - o Four (4), AP-S, MTT-S, MAG-S, ITS-S
- Number of Chapters formed in the current year
  - o None
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
  - o Four (4)
- Summary of Chapter activities (Chapter wise with attachment table/information)
  - AP-S Nagoya Chapter
    - (1) Technical Meetings:
      - January 17, 2019
      - IEEE AP-S Nagoya Chapter Special Lecture
      - Toyota Museum
      - Participants: 35

April 26, 2019  
Midland Student Express 2019 Spring  
(jointly organized with IEEE MTT-S Nagoya Chapter)  
Nagoya Innovation Hub, Nagoya, Japan  
Presentations: 41

December 6, 2019  
Midland Student Express 2019 Autumn  
(jointly organized with IEEE MTT-S Nagoya Chapter)  
Nagoya Innovation Hub, Nagoya, Japan  
Presentations: 34

(2) Cooperation

None

(3) IEEE Distinguished Lecturer Lecture Meetings:

None

■ MAG-S Nagoya Chapter

(1) Technical Meetings:

January 21-22, 2019  
International School on Spintronics and Korea-Japan Spintronics Workshop  
- Topological Phenomena in Magnetism –  
Nagoya University  
Participants: 75

January 30, 2019  
IEEE Magnetic Society Nagoya Chapter, Young Researcher Meeting  
Nagoya Institute of Technology  
Participants: 32

March 8, 2019  
Joint Workshop of IEEE Magnetics Society Nagoya Chapter & IEICE Technical Committee on  
Magnetic Recording, IEEJ Technical Committee on Magnetics  
Nagoya University  
Participants: 25

December 26-27  
Joint Workshop of IEEE Magnetics Society Nagoya Chapter & IEEJ Technical Committee on  
Magnetics & Technical Committee on Micromachine  
Toyohashi University of Technology  
Presentations: 14

(2) Cooperation:

None

(3) IEEE Distinguished Lecturer Lecture Meetings:

March 4, 2019  
MAG-33 Nagoya Chapter Distinguished Lecturer Meeting  
Prof. Hyunsoo Yang (National University of Singapore)  
Spin-Orbit Technologies: From Magnetic Memory to Terahertz Generation  
Participants: 21

March 14, 2019  
MAG-33 Nagoya Chapter Distinguished Lecturer Meeting  
Dr. Justin M. Shaw (National Institute of Standards and Technology)  
Broadband Ferromagnetic Resonance Spectroscopy: The “Swiss Army Knife” for  
Understanding Spin-Orbit Phenomena  
Participants: 13

May 20, 21, 22, 2019  
MAG-33 Nagoya Chapter Distinguished Lecturer Meeting  
Prof. Victorino Franco (University of Seville)  
Magnetocaloric Effect: From Energy Efficient Refrigeration to Fundamental Studies of  
Phase Transitions  
Participants: 25 (5/20), 18 (5/21), 11 (5/22)

June 17, 2019  
MAG-33 Nagoya Chapter Distinguished Lecturer Meeting  
Prof. Hariharan Srikanth (University of South Florida)  
Tuning Magnetic Anisotropy in Nanostructures for Biomedical and Electromagnetic  
Applications  
Participants: 19

■ MTT-S Nagoya Chapter

(1) Technical Lectures:

April 26, 2019  
Midland Student Express 2019 Spring  
(jointly organized with IEEE AP-S Nagoya Chapter)  
Nagoya Innovation Hub, Nagoya, Japan  
Presentations: 41

December 6, 2019  
Midland Student Express 2019 Autumn  
(jointly organized with IEEE AP-S Nagoya Chapter)  
Nagoya Innovation Hub, Nagoya, Japan  
Presentations: 34

November 28, 2019  
YEA Award Ceremony  
Pacifco Yokohama  
Participants: 44

December 19, 2019  
Special Lecture Meeting  
Gifu University  
Participants: 20

(2) Cooperation:

January 17-18, March 14-15, April 22, May 16, July 18-19, September 19-20, October 24-25, 2019  
IEEJ Microwave Society Workshops  
Participants: 19 (1/27-18), 30 (3/14-15), 21 (4/22), 39 (5/16), 121 (7/18-19), 35 (9/19-20), 28 (10/24-  
25)

June 26-28, 2019  
TJMW2019  
Participants: 82

January 23, 2019  
 JEMEA Symposium  
 Participants: 41

May 30, 2019  
 JEMEA Lecture Meeting  
 Participants: 73

(3) IEEE Distinguished Lecturer Lecture Meetings:

None

■ ITS-S Nagoya Chapter

(1) Technical Lectures:

September 10, 2019  
 IEEE ITS Nagoya Chapter Lecture Meeting  
 Daido University  
 Participants: 50

December 23, 2019  
 IEEE ITS Nagoya Chapter Lecture Meeting  
 Nagoya University  
 Participants: 30

(2) Coopertion:

None

(3) IEEE Distinguished Lecturer Lecture Meetings:

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

- Totally 33 events including 4 sponsored technical events in the area of antenna, magnetics, robot, vehicle, power engineering, education, etc. were held successfully.
- See the list in the following table for the detail of the meeting organized/cooperated meetings by the Nagoya Section. For the list and the detail of Chapter-organized meetings, see Section B.2.

Table 1 List of Technical Meetings organized/cooperated by Nagoya Section

sponsorship	meeting category	dates	meeting/lecture title
cooperation	lecture	Jan. 23	Energy System Symposium
cooperation	conference	Jan. 27	JOINT CONFERENCE ON MASTER THESIS PRESENTATIONS RELATED TO COMMUNICATIONS
cooperation	lecture	Jan. 29	THE IPSJ TOKAI BRANCH LECTURE MEETING
cooperation	student meeting	Jan. 31	IEEJ TOKAI SECTION YOUNG RESEARCHERS SEMINAR
cooperation	student meeting	Mar. 2	Hokuriku-Section Student Research Meeting
cooperation	lecture	Mar. 4	IEEE Magnetics Society Distinguished Lecture
cooperation	lecture	Mar. 14	IEEE Magnetics Society Distinguished Lecture
cooperation	student meeting	Apr. 26	Midland Student Express 2019
cooperation	lecture	May 20	THE 1st IPSJ TOKAI BRANCH LECTURE MEETING
cooperation	lecture	May 22	IEEE Magnetics Society Distinguished Lecture
sponsored	lecture	May 29	IEEE President Special Lecture Meeting
cooperation	lecture	Jun. 7	Nagoya Institute of Technology Advanced Research Center Lecture Meeting

cooperation	lecture	Jun.17	IEEE Magnetics Society Distinguished Lecture
cooperation	seminar	Jun.21	Nagoya University IMASS Energy System Young Researcher Seminar
cooperation	lecture	Jul. 18	THE 2nd IPSJ TOKAI BRANCH LECTURE MEETING
cooperation	student meeting	Jul. 31	IEICE Tokai Section Student Lecture Meeting
cooperation	workshop	Aug. 6-7	THE 44th WORKSHOP OF TOKAI CHAPTER OF JAPAN SOCIETY FOR FUZZY THEORY AND INTELLIGENT INFORMATICS
cooperation	symposium	Aug. 8	The 1st Energy System Symposium
cooperation	symposium	Aug. 22	The Energy System Symposium
sponsored	conference	Aug.31-Sep. 1	2019 Hokuriku-Section Joint Conference on Electrical and Related Engineering
sponsored	conference	Sep. 9-10	2019 Tokai-Section Joint Conference on Electrical, Electronics, Information, and Related Engineering
cooperation	seminar	Sep. 18	IEEJ TOKAI SECTION YOUNG RESEARCHERS SEMINAR
cooperation	symposium	Sep. 19	The 1st Energy System Symposium
cooperation	workshop	Oct. 19	Nagoya University Techno Fair 2019
cooperation	symposium	Nov. 2	Nagoya University Energy System Symposium
cooperation	conference	Nov. 6-7	IEEE International Conference on Engineering Education
cooperation	seminar	Nov. 19	IEEJ TOKAI SECTION YOUNG RESEARCHERS SEMINAR
cooperation	conference	Nov. 25	The 4th International Conference on Nano Electronics Research and Education (ICNERE2018)
cooperation	lecture	Dec. 5	THE 4th IPSJ TOKAI BRANCH LECTURE MEETING
cooperation	student meeting	Dec. 6	Midland Student Express 2019
sponsored	symposium	Dec. 14	Nagoya WIE Establishment Celebration Event
cooperation	symposium	Dec. 18	The 3rd Energy System Symposium
cooperation	symposium	Dec. 20-23	The 2nd World Symposium on Communication Engineering

## B.4 Students Activities

- Total number of Student Branches in the Section
  - Three (3): Nagoya University, Shizuoka University and Fukui University
- Number of Student Branches formed in the current year
  - None
- Section level student activities (student congress, paper and other contests, awards etc)
  - 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai Areas was held in September 2019, and IEEE Nagoya Section Student Awards were awarded to 6 excellent student presenters.
  - 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Hokuriku Areas was held in August 2019, and IEEE Nagoya Section Student Awards were awarded to 3 excellent student presenters.
  - Student Research Presentation Awards in IEEE international conferences were given to 9 students.
  - IEEE Nagoya Section Excellent Student Awards were given at six (6) universities: Nagoya Institute of Technology: 4, Mie University:2, Meijo University: 8, Chubu University: 3, Toyohashi University of Technology: 8, Chukyo University:2.
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
  - Three (3): Nagoya University, Shizuoka University, Fukui University
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
  - Nagoya University SB
    - Annual Meeting (June 27, 2019) - activity report, research exchange
    - Annual Meeting (December 19, 2019) - workshop, research exchange
    - 2019 IEEE Student Branch Leadership Training Workshop (May 25-26, 2019)



- Shizuoka University SB
  - None
- Fukui University SB
  - Workshop on laser for young domestic students (July 21, 2019)
  - Workshop on electronics at the Welcome Fair of Fukui (October 20, 2019)
  - Workshop on light information at the Fukui Prefecture Fair (October 26, 2019)

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

- Young Professional (YP)
  - Organizing IEEE Nagoya YP Social Event 2019 (September 16, 2019)
  - Organizing IEEE Nagoya YP Workshop 2019 (December 7, 2019)
- Women In Engineering (WIE)
  - Establishing IEEE Nagoya WIE (November 16, 2019)
  - Organizing Establishment Celebration Event (December 14, 2019)
- Life Member (LM)
  - Organizing committee meetings (May 11, May 26, November 23, 2019)
  - Organizing Symposium on Earthquakes (August 31, 2019)

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

- Award constituted by the Section
  - IEEE Nagoya Section Student Awards of 2019 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai/Hokuriku Areas were given to 6 excellent student presenters at the Tokai Area Conference and 3 excellent student presenters at the Hokuriku Area Conference.
  - Student Research Presentation Awards in IEEE international conferences were given to 9 students.
  - IEEE Nagoya Section Excellent Student Awards were given at six universities: Nagoya Institute of Technology:4, Mie University:2, Meijo University:8, Chubu University:3, Toyohashi University of Technology: 8, Chukyo University:2.
  - IEEE Nagoya Section Young Researcher Award was given to 2 young members.
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
  - IEEE MGA Awards were awarded to NGK and Toyota Central Research Labs.

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

- Newsletter (name and number of issues in the year)
  - None.
- Home Page of the Section (give the URL and how often it is updated)
  - <https://ieec-jp.org/section/nagoya/>
  - Updating about every week.

- Other means of contacts with Section members including social media
  - Mailing lists are available for section officers, executive committees, LMAG and YP core members.
  - Mailing lists service by Japan Council is available for announcements of section annual meeting, encouragement of application to Senior Member and Fellow grade, call for award applications and technical activities.

## **B.8 Industry Relations**

- Membership growth and retention
  - IEEE Nagoya Section sends request e-mails for new membership and retention of IEEE membership to all the members and non-renewal members, respectively, in February and April. However, when student members enter industry, unfortunately some of the members leave from the IEEE.
  - Membership recruitment brochures are distributed to attendees when technical meetings are organized/cooperated by IEEE Nagoya Section.
- Activities for/with industrial members
  - Chapter activities in Section B.2 and technical meetings in Section B.3 are held for industrial members as well as for academic members.

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

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
  - None.
- SIGHT Activities
  - None.

## **B.10 Community Activities**

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
  - None.

## **PART C - OTHERS**

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

- Please briefly describe the importance of special events and the outcomes achieved
  - The IEEE Nagoya Section supported the special events of Life Member Affinity Group, Young Professionals Affinity Group and Women In Engineering Affinity Group co-organizing special lectures and social events. These special events attract life members, young researchers and women engineers.
- Funding secured from the IEEE and external sources including sponsorships
  - None

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

- Nature of relationship and details of any formal agreement signed
  - Two annual activities are sponsored by IEEE Nagoya Section together with national societies. Around 30 activities organized by national societies are financially/technically cooperated by IEEE Nagoya Section.
- Details of joint activities
  - **Sponsored Activities**

We have the following two joint activities every year:

    - (a) Joint Conference of Institutes related to Electrical, Electronics, and Information Engineering in Tokai Area
      - Sponsored together with IEEJ Tokai Branch, IEICE Tokai, IPSJ Tokai Branch, ITE Tokai, IEIJ Tokai, IEIEJ Chubu, and ASJ (Acoustical Society of Japan) Tokai Chapter
      - IEEE Nagoya Section Student Awards are given to several students every year in this conference.
    - (b) Joint Conference of Institutes related to Electrical, Electronics, and Information Engineering in Hokuriku Area
      - Sponsored together with IEEJ Hokuriku Branch, IEICE Hokuriku, IPSJ Hokuriku Branch, ITE Hokuriku, IEIJ Hokuriku, SICE Hokuriku, IEIEJ Chubu, ASJ (Acoustical Society of Japan) Hokuriku Chapter, and JSMBE (Japanese Society for Medical and Biological Engineering) Hokuriku
      - IEEE Nagoya Section Student Awards are given to 2 (at most 3) students every year.
  - **Cooperation Activities**

Several activities such as lectures, symposiums, and meetings organized by local national societies, e.g., IEICE Tokai, IPSJ Tokai Branch, SOFT (Japan Society for Fuzzy Theory and Intelligent Informatics) Tokai Branch, are held in cooperation with IEEE Nagoya Section.
- Benefit to IEEE members (for example discounts, access to technical information etc.)
  - Discounts of registration fees
  - Access to technical information
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
  - Help in membership development by distributing the IEEE membership recruitment brochures to attendees
  - Cost saving by cooperation
  - Improvement of IEEE's familiarity

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

- Support extended to neighboring Sections
  - IEEE Nagoya Section collaborates with the other IEEE Sections in Japan through IEEE Japan Council (JC).
- Joint activities with any other Section
  - Nagoya Section Young Professionals (YP) Affinity Group is co-organizing Career Building Essay Contest with IEEE Japan Council (JC), Tokyo Section YP, Kansai Section YP and WIE Affinity Groups.
  - Nagoya Section Life Member Affinity Group (LMAG) is co-organizing Technical Tour with LAMG-Tokyo.
  - Nagoya Section Student Branch (SB) is collaborating with Student Branch of other sections joining SBLTW.

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

- Support extended for organising technical, educational and professional activities
  - Several activities organized by society chapters within IEEE Nagoya Section are financially supported by IEEE Nagoya Section.
- Joint activities for membership development
  - When the above activities are held, announcement of cooperation with IEEE Nagoya Section is made by the society chapters.
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full 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**

- Fortunately, IEEE has been holding a good status of membership retention. However, many national societies are facing the decrease of members these years.

## **PART D - GOALS AND PLANS**

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

- Enhancing the activities of newly established Nagoya WIE Affinity Group.
- Enhancing the activities of Student Branches.
- Increasing the membership.
- Nominations of members for Senior Member and Fellow of the Institute.
- Organizing technical lectures and symposium, workshops on topics of interest, in some cases in collaborations with other institutes.
- Making close collaborations with other professional organizations related to Electrical, Electronics, and Information Engineering. Nagoya Section will actively participate in the 2020 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai/Hokuriku Areas to be held in autumn in 2020.
- Providing better services to the members.
- Supporting activities of young members.

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

- Establishing joint chapters
- Establishing new chapters
- Establishing new student branches
- Application for IEEE Milestone

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

- None.

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

- None.