

# IEEE Nagoya Section Annual Report 2015

February 12, 2016

## PART A - SECTION SUMMARY

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

- Section Executive Committee Member List (2015/2016)

#### (a) Officers:

##### Chair:

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

##### Vice Chair:

Dr. Shigeaki Aoki (Professor, Kanazawa Institute of Technology)  
e-mail: aoki\_s@neptune.kanazawa-it.ac.jp

##### Secretary:

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

##### Treasurer:

Dr. Mitsuo Fukuda (Professor, Toyohashi University of Technology)  
e-mail: fukuda@ee.tut.ac.jp

##### Auditor:

Dr. Manabu Kagami (Principal Researcher, Toyota Central R&D Labs., Inc.)  
e-mail: kagami@mosk.tytlabs.co.jp

#### (b) Standing Committee Chairs:

##### Nomination Committee:

Dr. Haruhiko Takase (Associate Professor, Mie University)  
e-mail: takase@elec.mie-u.ac.jp

##### Membership Development Committee:

Dr. Shinichi Mitsumoto (Associate Professor, Toyota National College of  
Technology)  
e-mail: mitumoto@toyota-ct.ac.jp

##### Technical Activities Committee:

Dr. Masayoshi Kanoh (Associate Professor, Chukyo University)  
e-mail: mkanoh@sist.chukyo-u.ac.jp

##### Student Activities Committee:

Dr. Shinji Doki (Professor, Nagoya University)  
e-mail: doki@nagoya-u.jp

##### Award Committee:

Dr. Tsuyoshi Nakamura (Associate Professor, Nagoya Institute of Technology)  
e-mail: tnaka@nitech.ac.jp

Chapter Operation Committee:

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

(c) Past Chairs:

2013-2014 Chair:

Dr. Kenji Mase (Professor, Nagoya University)  
e-mail: mase@nagoya-u.ac.jp

2009-2010 Chair, Milestone:

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

- Election Process of Section Officers and Auditors
  - (1) The Nominations Committee consisting of two (2) or more members, not then Section Officers, shall be appointed by the Section Chair with the approval of the Section Executive Committee.
  - (2) The nominations by the Nominations Committee will be announced to the Section membership and, following this, a minimum of twenty-eight (28) days allowed for additional nominations by petition. To be valid, the petition must be signed a minimum of one percent of the voting members of the Section, except in no case shall more than 25 signatures be required.
  - (3) If only one nomination is made for each office, the election shall be declared by acclamation at a meeting of the Section general membership, or the Section Executive Committee. If additional nominations are made, election will be by ballot mailed to the membership. The votes will be counted by a Tellers Committee appointed by the Section Chair.
  - (4) The time table for this procedure is as follows:
 

Announce nominations	By August 31
Close nominations by petition	By September 30
Mail a ballot, if required	By October 31
Hold elections	By November 30
  - (5) A plurality of the votes cast shall be necessary for election.
  
- Section Highlights
  - (1) IEEE Nagoya Section Young Professionals (YP) Affinity Group was established on December 7, and its Kickoff Event was held in December 12.
  - (2) A number of technical activities were organized and co-organized by Nagoya Section in 2015. Total 30 events including 3 sponsored technical events were held successfully. One of the events was the invited seminar by Prof. Howard E. Michel, IEEE President.
  - (3) IEEE Nagoya Section Student Research Presentation Awards in IEEE international conferences were given to 9 students.
  - (4) IEEE Nagoya Section Student Awards for the Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Hokuriku Area was established, and the awards were given to two students.
  - (5) Membership activity: Nagoya Section had the following members: Fellow: 37, Senior member: 70, Member 957, Student member: 189, Associate member: 34. Total: 1,287 as of Nov. 2015.
  - (6) Section territory: Nagoya Section, one of the eight sections of IEEE Japan Council, is located in the city of Nagoya, central in Japan, and the section territory spreads out to Tokai Area (Aichi, Gifu, Mie, and Shizuoka Prefectures) and Hokuriku Area (Toyama, Ishikawa and Fukui Prefectures) in Japan.
  
- Major Events (International, National)

- Several local meeting and workshops were organized successfully including co-organization of the 2015 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai and Hokuriku Areas where IEEE Nagoya Section Student Awards were given to 9 excellent student presenters in Tokai Area and 2 excellent student presenters in Hokuriku Area.
- Major Chapter Activities
  - Several technical lectures, seminars and meetings were organized successfully.
- Major Student and Affinity Group Activities
  - IEEE Nagoya Section Student Research Presentation Awards in IEEE international conferences were given to 9 students.
  - The Kickoff Event of IEEE Nagoya Section Young Professionals (YP) Affinity Group was held on December 12.
- Awards
  - No member was awarded Fellow Grade (Informed by R10 in Nov. 2015).
  - Three members were awarded Senior Member Grade.
  - IEEE Nagoya Section Young Researcher Award was awarded to two members.

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

- Summary (as per submitted L50)
  - Total Receipts during the year 2015 were JY6,417,304 including the assessment and rebate of JY3,749,896 from IEEE HQ. The total disbursements amount to JY4,430,293.
- 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 2012: 1,219

November 2013: 1,218

November 2014: 1,221

November 2015: 1,287 +5.4% to previous year

The number of members of the Nagoya Section as of Nov. 2015 is as follows: (The numbers in parentheses are for Nov. 2014. All figures are from SAMIEEE. )

Fellow:	37	(34)
Senior Member:	70	(68)
Member:	957	(957)
Associate Member:	34	(32)
Student Member:	189	(130)

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Total	1,287	(1,221)
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- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - 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 to IEEE.

- A letter of encouragement to apply for a Fellow grade or a Senior Member grade was sent to the Nagoya Section's Senior Members or Members by using a Japan Council mailing list service.
- Invitation activity to join IEEE was made at the sponsored and co-sponsored events.

## B.2 Chapter Activities

- Total number of Chapters in the Section
  - Four (4), AP-S, MTT-S, MAG-S, ITS-S
- Number of Chapters formed in the current year
  - None.
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
  - Four (4).
- Summary of Chapter activities (Chapter wise with attachment table/information)
  - ✓ AP-S Nagoya Chapter
    - (1) Technical Lectures:
      - March 19, 2015  
“Targets of Willful Antenna Research - Broadband, Circular Polarization, High Gain -” by Dr. Toshikazu Hori (Professor, Fukui University)  
Fukui University, Fukui, Japan  
Participants: 47
      - December 4, 2015 (jointly organized with IEEE MTT-S Nagoya Chapter)  
“What is the motivation for R&D activities? - The true value for academic studies in a company” by Dr. Koichi Ogawa (Professor, Toyama University) and “Research and Development of Advanced Automotive Electronic Systems” by Dr. Atsuhiko Takahashi (Toyota Central R&D Labs. Inc.)  
Kanazawa University, Kanazawa, Japan  
Participants: 35
    - (2) Technical Meetings:
      - April 24, 2015  
Midland Student Express 2015 Spring (Students' Meeting; jointly organized with IEEE MTT-S Nagoya Chapter)  
Nagoya Innovation Hub, Nagoya, Japan  
Presentations: 20, Participants: 41
      - December 4, 2015  
Midland Student Express 2015 Autumn (Students' Meeting; jointly organized with IEEE MTT-S Nagoya Chapter)  
Kanazawa University, Kanazawa, Japan  
Presentations: 14, Participants: 35
    - (3) In Corporation:
      - March 27, 2015  
URSI-C Committee the 23rd Period the First Open Technical Meeting  
Nagoya Institute of Technology, Nagoya Japan  
Presentations: 4, Participants: 39
  - ✓ MAG-S Nagoya Chapter
    - (1) Technical Lectures:
      - January 21, 2015  
“Introduction to the modern problems of magnetism: Message to young scientists” by Dr. Alexander B. Granovsky (Professor, Lomonosov Moscow State University)

Toyohashi University of Technology, Toyohashi, Japan  
Participants: 40

- October 14, 2015  
“Perpendicular magnetic anisotropy: From ultralow power spintronics to cancer therapy”  
by Dr. Russell Cowburn (Professor, University of Cambridge, IEEE Magnetic Society Distinguished Lecturer)  
Nagoya University, Nagoya, Japan  
Participants: 30
- October 27, 2015  
“Learning-LSI, a new approach for realizing service robots and IoT solution” by Dr. Hiroshi Nomura (Toshiba Corp. Semiconductor & Storage Products Company)  
Nagoya University, Nagoya, Japan  
Participants: 40
- December 10, 2015  
“Magnetic Nanowires: Revolutionizing Hard Drives, RAM, and Cancer Treatment Therapy” by Dr. Bethanie Stadler (Professor, University of Minnesota, IEEE Magnetic Society Distinguished Lecturer)  
Nagoya University, Nagoya, Japan  
Participants: 40

(2) Technical Meetings:

- February 3, 2015  
IEEE Magnetic Society Nagoya Chapter, Young Researcher Meeting  
Nagoya University, Nagoya, Japan  
Presentations: 12, Participants: 35
- March 6, 2015  
Joint Workshop of IEEE Magnetics Society Nagoya Chapter & IEICE Technical Committee on Magnetic Recording, IEEJ Technical Committee on Magnetics, ITE Technical Group on Multi-media Storage  
Nagoya University, Nagoya, Japan  
Presentations: 11, Participants: 31
- March 27 2015  
The 201st Topical Symposium of the Magnetics Society of Japan / The 53rd Topical Symposium on Spin-electronics  
Chuo University, Tokyo, Japan  
Presentations: 5, Participants: 39

✓ MTT-S Nagoya Chapter

(1) Technical Lectures:

- September 17, 2015  
Special lecture of IEEE MTT-S Japan Chapter, Kansai Chapter, and Nagoya Chapter  
“Basic Study on Bandpass Filters using Hybridmode Resonator”  
by Dr. Masaya Tamura (Associate Professor, Toyohashi University of Technology, 2015 IEEE MTT-S Outstanding Young Engineer Award Winner)  
National Institute of Technology, Oyama College, Oyama, Japan  
Participants: 46

(2) Technical Meeting:

- April 26, 2015  
Midland Student Express 2013 Spring (Students’ Meeting; jointly organized with IEEE AP-S Nagoya Chapter)  
Nagoya Innovation Hub, Nagoya, Japan  
Presentations: 20, Participants: 34

- August 26-28, 2015  
2015 IEEE International Symposium on Radio-Frequency Integration technology (RFIT2015) (jointly organized with IEEE MTT-S Japan Chapter and Kansai Chapter)  
Tohoku University, Sendai, Japan  
Presentations: 84, Participants: 133

- December 4, 2015  
Midland Student Express 2015 Autumn (Students' Meeting; jointly organized with IEEE AP-S Nagoya Chapter)  
Kanazawa University, Kanazawa, Japan  
Presentations: 14, Participants: 35

(3) In Cooperation

- March 27, 2015  
URSI-C Committee the 23rd Period the First Open Technical Meeting  
Nagoya Institute of Technology, Nagoya Japan  
Presentations: 4, Participants: 39

- August 6 - 8, 2015  
2015 Thailand-Japan Microwave Workshop (TJMW2015)  
Chulalongkorn University, Bangkok, Thailand  
Presentations: 68, Participants: 270

- August 10 - 11, 2015  
2015 Vietnam-Japan Microwave Workshop (VJMW2015)  
The University of Science – Vietnam National University, HoChiMinh City, Vietnam  
Presentations: 43, Participants: 70

Nine (9) technical meetings on microwave were held in corporation with The Institute of Electronics, Information and Communication Engineers, Electronics Society.

- January 15 - 16, 2015  
Promotion of Machine Industry Building, Tokyo, Japan  
Presentations: 21, Participants: 81
- March 5 - 6, 2015  
Fukui University, Fukui, Japan  
Presentations: 26, Participants: 69
- April 16 - 17, 2015  
Promotion of Machine Industry Building, Tokyo, Japan  
Presentations: 20, Participants: 64
- May 28 - 29, 2015  
The University of Electro-Communications, Tokyo, Japan  
Presentations: 18, Participants: 107
- June 25, 2015  
Kawasaki Business Incubation Center, Kawasaki, Japan  
Presentations: 8, Participants: 31
- July 16 - 17, 2015  
Kushiro Lifelong Learning Center, Kushiro, Japan  
Presentations: 43, Participants: 124
- September 17 - 18, 2015  
National Institute of Technology, Oyama College, Oyama, Japan  
Presentations: 20, Participants: 91
- October 22 - 23, 2015  
Tohoku University, Sendai, Japan  
Presentations: 24, Participants: 112
- November 19 - 20, 2015  
University of the Ryukyus, Okinawa, Japan  
Presentations: 13, Participants: 41

✓ ITS-S Nagoya Chapter

## (1) Technical Lectures:

➤ July 14, 2015

First Lectures

Nagoya University Venture Business Laboratory, Nagoya, Japan

Presentations: 2, Participants: 100

➤ December 4, 2015

Second Lectures

Nagoya University, Nagoya, Japan

Presentations: 2, Participants: 40

## (2) In Corporation:

➤ June 28, 2015

IEEE 2015 Intelligent Vehicle Symposium (IV), Workshop Program “Environment Perception for Automated on-road Vehicles”

COEX, Seoul, Korea

Presentations: 7, Participants: 70

➤ September 15, 2015

IEEE 2015 International Conference on Intelligent Transportation Systems, Special Session “Environment Perception for Automated on-road Vehicles”

Convention Center, Canary Islands, Spain

Presentations: 7, Participants: 30

**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

- Total 30 events including 3 sponsored technical events in the area of antenna, magnetics, robot, vehicle, power engineering, education, etc. were held successfully. One of the events was the invited seminar by Prof. Howard E. Michel, IEEE President.
- 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	seminar	Feb. 3	JAIST The 8th IS-Seminar
cooperation	student research meeting	Feb. 7	Presentation on Master Theses on Communication and Related Engineering by Students of Three Universities in Tokai Area
cooperation	seminar	Feb. 24	The 38th Tokai Fuzzy Research Meeting
cooperation	symposium	Mar. 10	The 2nd Energy System Symposium on Application of Semiconductor Power Devices to Power Systems, Nagoya University, Ecotopia Science Institute, Funded Research Division Energy Systems (Chubu Electric Power)
cooperation	contest	Mar. 10-11	Human Symbiotic Systems - Design Contest (HSS-DC)
cooperation	lecture	Mar. 19	Lectures on Realization of Life-Support Robots
corporation	student research meeting	Apr. 24	Midland Student Express2015 Spring
cooperation	seminar	May 8	Audio-Visual Science Inter-disciplinary Seminar
cooperation	symposium	May 8	The 3rd Energy System Symposium “Integration of Renewable Energy, Deregulation Power System and Environment -Focus on Wind Turbine Generation- ”
co-sponsored	seminar	May 11	The 1st Meijo Science Technology Seminar (invited seminar by IEEE President)
cooperation	workshop	June 24	International Workshop on Lightning Protection
cooperation	lecture	July 2	Lecture on Key Points of Research & Development in Engineering: Focusing on Microwave Communication for IEICE Tokai Students
corporation	lecture	July 6	Lecture for Students Studying Electrical and Electronics Engineering
cooperation	workshop	July 31- Aug. 1	Brainconnects 2015:NCGG/JSPS NTU/NUS Joint Research Collaboration Workshop
corporation	experiment	Aug. 7-8	The 18th Refreshing Science School by the Japan Society of Applied Physics (JSAP) Tokai Chapter
cooperation	seminar	Aug. 9-10	The 39th Tokai Fuzzy Research Meeting
co-sponsored	seminar	Aug.24-27	Summer School on Distributed Compression with Applications (EU FP7 Project Seminar)
sponsored	conference	Sept.12-13	2015 Hokuriku-Section Joint Conference on Electrical and Related Engineering
cooperation	symposium	Sept. 19	The 12th Symposium of The Chubu Branch of The Operation Research Society of Japan

sponsored	conference	Sept.28-29	2015 Tokai-Section Joint Conference on Electrical, Electronics, Information, and Related Engineering
corporation	lecture	Oct. 14	Special Lecture Meeting of IEEE Magnetics Society of Japan Nagoya Chapter
co-sponsored	conference	Nov.17-18	2015 IEEE 7th International Conference on Engineering Education (ICEED)
cooperation	symposium	Nov.27-29	International Symposium on EcoTopia Science 2015
cooperation	lecture	Nov. 29	The 2nd Lecture Open to the Public "What an Electricity Energy Consumption by Residences Should be in Future"
cooperation	symposium	Dec. 3	The 19th Symposium of Research Center for Future Vehicle City, Toyohashi University of Technology
cooperation	student research meeting	Dec. 4	Midland Student Express 2015 Autumn
sponsored	lecture	Dec. 5	Special Lecture by newly awarded IEEE Fellow
cooperation	lecture	Dec. 10	Special Lecture Meeting of Prof. Bethanie Stadler (IEEE Magnetics Society of Japan Nagoya Chapter)
co-sponsored	conference	Dec. 11-13	2015 IEEE/SICE International Conference on System Integration (SI2015)
cooperation	workshop	Dec. 14	2015 International Workshop on Electrical Engineering (IWEE2015)

## B.4 Students Activities

- Total number of Student branches in the Section
  - Two (2): Nagoya University and Shizuoka University
- Number of Student branches formed in the current year
  - Zero (0)
- Section level student activities (student congress, paper and other contests, awards etc)
  - 2015 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai/Hokuriku Areas. IEEE Nagoya Section Student Awards were awarded to 9 excellent student presenters at the Tokai Area Conference and 2 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 three universities; Meijo University: 4, Chubu University: 2, Toyohashi University of Technology: 8.
- Number of Active Student branches (Student branches who have reported required number of meetings during the year)
  - Two (2): Nagoya University and Shizuoka University
- Summary of Student branch activities student branch wise with attachment table / information
  - Nagoya University SB
    - (1) Attending 2015 IEEE Student Branch Leadership Training Workshop (SBLTW2015) (May 15-16, 2015)
    - (2) Annual Meeting (June 19, 2015)
    - (3) Group work (Presentation Skills Improvement Workshop) (November 24, 2015)
    - (4) New member development activity
  - Shizuoka University SB
    - (1) Young Researcher Workshop 2015(October 30, 2015)
    - (2) New member development activity

## B.5 Affinity Group Activities

- Young Professional (YP)
  - IEEE Nagoya Section Young Professionals (YP) Affinity Group was established on December 7. The core members of YP are as follows:

Chair: Takuo Suzuki (Assistant Professor, Aichi Prefectural University)  
 Vice-chair: Takafumi Yamada (Toyota Industries Corporation)  
 Secretary: Jaeryoung Lee (Assistant Professor, Chubu University)

Treasurer: Kenichi Ito (Associate Researcher, Toyota Central R&D Labs., Inc.)  
 Vice-secretary: Takahiro Ito (D1 Student, Nagoya Institute of Technology)  
 Vice-treasurer: Naoki Kubota (M2 Student, Nagoya University)

- The Kickoff Event of YP was held in December 12.
- Women In Engineering (WIE)
  - None.
- Life Member
  - None.

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

- Award constituted by the section
  - IEEE Nagoya Section Student Awards of 2015 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai/Hokuriku Areas were given to 9 excellent student presenters at the Tokai Area Conference and 2 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 two universities: Meijo University: 8, Chubu University: 2, Toyohashi University of Technology: 8.
  - IEEE Nagoya Section Young Researcher Award was given to 2 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 2015
  - IEEE Nagoya Section received IEEE 2015 Silver Award for its outstanding section membership retention performance on June 26 from R 10.
  - IEEE Nagoya Section received IEEE 2015 Gold Award for its outstanding section membership recruitment and retention performance on August 17 from R10.

## **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 frequency which it is updated)
  - <http://ieee-nagoya.org/>
  - Updated approx. several times a month.
- Other means of contacts with section members
  - Mailing lists are available for section officers, executive committees, 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 activity.

## **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 resign from IEEE.
  - Membership recruitment brochures are distributed to attendees when technical meetings organized/cooperated by IEEE Nagoya Section are held.

- 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 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)”
  - IEEE Nagoya Section sends e-mail about new membership promotion of IEEE day to all the section members.

## **PART C - OTHERS**

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

- Please briefly describe the importance of special events and the outcomes achieved
  - The Kickoff Event of IEEE Nagoya Section Young Professionals (YP) Affinity Group was held on December 12.
  - Special lectures on “Position determination control of high-speed and high-resolution: Industrial applications through business-academia collaboration” and “New wireless systems developed by research and development of antenna” were given by two new IEEE Fellows (Prof. Makoto Iwasaki and Prof. Toshikazu Hori, respectively) on December 5.
- 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. One activity organized by JSAP Tokai Chapter is cooperated by IEEE Nagoya Section.
- Details of joint activities
  - **Sponsored Activities**

We have the following two sponsored 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 (The Institute of Electrical Installation Engineers of Japan) Chubu, and ASJ (Acoustical Society of Japan) Tokai Chapter
    - IEEE Nagoya Section Student Awards are given to 9 students every year.

(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 (The Institute of Electrical Installation Engineers of Japan) 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 (3 at most) students every year (started from this year).

○ **Cooperation Activities**

Several activities such as lectures, symposiums, and meetings which are organized by local national societies (e.g., IEICE Tokai, The Chubu Branch of the Operation Research Society of Japan, SOFT (Japan Society for Fuzzy Theory and Intelligent Informatics) Tokai Branch) are held in cooperation with IEEE Nagoya Section.

○ **Corporation Activity**

We have the following one corporation activity almost every year.

(a) Refreshing Science School by JSAP Tokai Chapter

- 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 are distributed to attendees
  - Cost saving by cooperation

### **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
  - The Kickoff Event of IEEE Nagoya Section Young Professionals (YP) Affinity Group was partially supported by IEEE Japan Council (JC), JC WIE, Tokyo Section YP, and Kansai Section YP.

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

- Support extended for organizing technical, educational and professional activities
  - Several activities organized by society chapters within IEEE Nagoya Section are financially cooperated by IEEE Nagoya Section.
- Joint activities for membership development
  - When the above activities are held, announcement of cooperation by 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 membership decreasing these years.

**PART D - GOALS AND PLANS****D.1 Continuation of project/activity in progress and their implementation plans**

- Enhancing the student activities.
- 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 2016 Joint Conferences of Institutes related to Electrical, Electronics, and Information Engineering in Tokai/Hokuriku Areas to be held in autumn in 2016.
- Establishing a new award, Research Award.
- Providing better services to the members.
- Supporting activities of young members.

**D.2 Goals and Future Plans**

- Establishing a LMAG.
- Establishing joint chapters
- Establishing a new chapter
- Establishing a new student branch
- 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.