

IEEE Tokyo Section Report

For

2016

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PART A - SECTION SUMMARY

A.1 Executive Summary

- The IEEE Tokyo Section's Year 2016 General Assembly was held on March 24th. After the General Assembly, the first lecture of 2016 was hosted by the Tokyo Section, and also a celebration ceremony for newly selected IEEE Fellows in 2016 was held. 5 new IEEE Fellows in the Tokyo Section attended the ceremony.
- The Tokyo Section Executive Committee Meetings of 2016 were held 4 times, March 24th, June 16th, September 28th and December 14th.
- Technical Program Committee of the Tokyo Section hosted 7 lecture meetings.

- **<Section Officer >**

Chair: Kazuo HAGIMOTO

Vice Chair: Katsumi EMURA

Secretary: Hidenobu HARASAKI

Treasurer: Hiroki FUJISHIRO

<Executive Committee Members >

Eisaku MAEDA, Yuichi MATSUSHIMA, Toru FUKUSHIMA (~ March 31st), Hiroshi NAKAMURA (April 1st~), Hiroyuki UENOHARA, Takahiko SABA, Naoyuki NAKAGOME, Yukitoshi SANADA, Haruo OKUDA, Kouichi INADA, Kojiro NISHIMIYA, Toshihiko SUGIE, Toshitaka TSUDA, Isamu CHIBA, Seishi TAKAMURA, Emi YANO,

The latest change was made on March 29th, 2016, changing the Committee name, formerly Chapter Promotion Committee to Chapter Operations Committee in Article III 1.

2016 section officers are basically the same as 2015 because we have two year term, defined by the bylaw Article II 2.

Exceptions follow.

January 1st; newly appointed Executive Committee Member, Emi YANO, Chair of WIE Japan Council.

April 1st; replacement of Membership Development Committee Chair, from Toru FUKUSHIMA to Hiroshi NAKAMURA, due to transference.

- Nominations committee submitted an announcement of the Candidates for Tokyo Section Officers and Executive Committee Members for Year 2017/2018 to Tokyo Section Home Page on August.

NetSuite – Income Statement – FY2016

Incomes	JPY
2.10 - Meetings & Social Events	¥12,000.00
3.10 - Rebate from IEEE HQ	¥3,823,640.00
3.20 - Region Receipts	¥260,336.00
3.30 - Sections or Councils	¥2,743,978.00
3.32 - Receipts from MGA Board, other Major Boards	¥172,800.00
3.34 - IEEE HQ & Societies	¥15,244,324.00
3.40 - IEEE CB Account Interest	¥6,060.00
3.45 - Non-IEEE CB Account Interest	¥2,486.00
3.95 - Bank Account Transfers	¥-13,993,310.00
A) Total Income	¥8,272,314.00

Expenses	
4.10 - Meetings & Social Events Expense	¥1,035,663.00
4.80 - Student Activities Expense	¥812,638.00
4.90 - Other Program Expenses	¥897,174.00
5.10 - Occupancy Expense	¥560,393.00
5.30 - Salaries Expense	¥1,838,240.00
5.50 - Support to Sections/Chapters Expense	¥15,839,049.00
5.60 - Other Management & General Expenses	¥1,212,673.00
7.00 - Reserve Allocation Expense	¥305,388.00
B) Total expenses	¥22,501,218.00

A) - B) **¥-14,228,904.00**

* We performed secretariat cost separation between the Japan Council and the Tokyo Section. Thus the Tokyo Section will support one fifth of labor and rent cost of secretariat and one fourth of mal/web server expense in 2016

NetSuite – Balance Sheet – End of FY 2016	
	JPY
Financial Row	Amount
Assets	
Bank	
70288 - Sumitomo Mitsui Banking Corporation TOKYO	¥9,171,969.00
72468 - TOKYO Petty Cash	¥20,000.00
72992 - TOKYO GOLD	¥172,236.00
74802 - Custody Banking Tokyo Section	¥113,085.00
Total Bank	¥9,477,290.00
Total Current Assets	¥9,477,290.00
19010 - Furniture & Equipment	¥3,853,815.00
Total Fixed Assets	¥3,853,815.00
19060 - Accumulated Depreciation	-¥3,853,815.00
19750 - Other Assets	¥145,600.00
Total Other Assets	-¥3,708,215.00
Total Assets	¥9,622,890.00
Total Liabilities	¥2,781,872.00
Total Long Term Liabilities	¥3,277,505.00
Total Liabilities	¥6,059,377.00
Total Capital and Reserves	¥3,563,513.00
Total Equities	¥3,563,513.00
Total Liabilities & Equity	¥9,622,890.00

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

The Membership Development Committee (MDC) made every effort to enhance membership.

The MDC distributed emails to renew membership and promote up grading to Senior Members.

The membership by grade is as follows:

Grade	Number (12/31/2014)	Number (12/31/2015)	Number (12/31/2016)
Life Fellow	165	172	183
Fellow	181	171	160
Life Senior Member	74	78	84
Senior Member	443	443	448
Life Member	246	263	279
Member	5,739	5,712	5,703
Associate	245	234	210
Graduate Student Member	577	598	593
Student	177	219	173
Others(HM, PM, LA)	2	2	2
Total	7,849	7,892	7,835

57 members decreased in 2016. The concerning point is the decreasing number of Student members. Otherwise, the number of Life category member is increasing.

- 9 members were newly selected as IEEE fellows from Tokyo Section in 2016.
 1. Kiyoharu AIZAWA
 2. Masayuki FUJITA
 3. Katsumi KISHINO
 4. Hitoshi KIYA
 5. Shinji MATSUO
 6. Haruhiko OKUMURA
 7. Kenichi OSADA
 8. Toru TANZAWA
 9. Akira TORIUMI

Fellow Nominations Committee distributed emails to promote nominations for Fellow Members.

B.2 Chapter Activities

38 Society Chapters belong to the Tokyo Section. 6 Japan Council Chapters moved to the Tokyo Section in 2016.

38 Societies (Society Codes) are as follows:

1. Signal Processing (SP-01)
2. Broadcast Technology (BT-02)
3. Antennas & Propagation (AP-03)
4. Circuits & Systems (CAS-04)

5. Nuclear & Plasma Sciences (NPS-05)
6. Vehicular Technology (VT-06)
7. Reliability (R-07)
8. Consumer Electronics (CE-08)
9. Instrumentation & Measurement (IM-09)
10. Aerospace and Electronic Systems (AES-10)
11. Computational Intelligence (CIS-11)
12. Information Theory (IT-12)
13. Technology and Engineering Management (TM-14)
14. Electron Devices (ED-15)
15. Computer (C-16)
16. Microwave Theory & Techniques (MTT-17)
17. Engineering in Medicine & Biology (EMB-18)
18. Communications (COM-19)
19. Ultrasonics, Ferroelectrics & Frequency Control (UFFC -20)
20. Components, Packaging & Manufacturing Technology (CPMT-21)
21. Oceanic Engineering (OE-22)
22. Control Systems (CS-23)
23. Robotics and Automation (RA-24)
24. Education (E-25)
25. Professional Communication (PC-26)
26. Electromagnetic Compatibility (EMC-27)
27. Systems, Man & Cybernetics (SMC-28)
28. Geoscience & Remote Sensing (GRS-29)
29. Society on Social Implications of Technology (SIT-30)
30. Power & Energy (PE-31)
31. Dielectrics & Electrical Insulation (DEI-32)
32. Magnetism (MAG-33)
33. Industry Applications (IA-34)
34. Power Electronics (PEL-35)
35. Photonics (Formerly LEOS) (PHOT-36)
36. Solid-State Circuits (SSC-37)
37. Intelligent Transportation (ITS-38)
38. Electronic Design Automation (CEDA-44)

B.3 Professional and Continuing Education Activities

Following lecture meetings were held during the year of 2016.

1) March 29th

Title: “Diversity and Globalization of the IEEE Communities“

Lecturer: Prof. Fumio Harashima

(Tokyo Metropolitan University)

(★Recipient of “2015 IEEE Haraden Pratt Award”)

2) April 25th

Title1: “From Material Culture to Maker Culture: how to access technology objects in museums“

Title2: “The Communicate gallery of National Museums Scotland”

Lecturer: Dr. Klaus Staubermann

(National Museums Scotland)

3) May 11th

Lectures Celebrating the IEEE Milestone to “Emergency Warning Code Signal Broadcasting System” and “High Definition Television System”

Title1: “IEEE Milestone Overview”

Lecturer1: Prof. Isao Shirakawa (IEEE Japan Council History Committee Chair)

Title2: “Research and Development of Emergency Warning Code Signal Broadcasting System”

Lecturer2: Dr. Kazuyoshi Shogen (B-SAT, Broadcasting Satellite System Corporation)

Title3: “Research and Development of High Definition Television System”

Lecturer 3: Mr. Taiji Nishizawa (NHK)

4) June 22nd

Title: “Discovery of the principle of the pulse oximetry, and its contribution on the medical care”

Lecturer: Dr. Takuo Aoyagi (Nihon Kohden Corporation)

(★Recipient of “2015 IEEE Medal for Innovations in Healthcare”)

5) July 14th

Title1: “The recovery and current status of Akatsuki spacecraft”

Lecturer 1: Prof. Masato Nakamura (JAXA)

Title2: “From design to operation of Hayabusa- two spacecraft”

Lecturer 2: Prof. Yuichi Tsuda (JAXA)

6) August 29th

Title: Enhancement of sound quality for telephone and broadcasting by speech and audio coding technologies”

Lecturer: Dr. Takehiro Moriya (NTT Communication Science Labs)

(★Recipient of “2016 IEEE James L. Flanagan Speech and Audio Processing Award”)

7) December 8th

Title1: “The History of Hi-vision”

Lecturer1: Dr. Takehisa Ishida (Broadcast journalist, ex NHK)

Title2: “The R&D on Super Hi-vision”

Lecturer2: Dr. Kensuke Hisatomi (NHK)

B.4 Students Activities

The Tokyo Section has 12 Student Branches;

University of Tokyo (1976), Tokyo Institute of Technology (1994),

Keio University (1994), Yokohama National University (1995),

Tokyo City University (2004), Tokyo Denki University (2005),

Meiji University (2007), Tokyo University of Science (2009),

Waseda University (2010), Chuo University (2012),

Tokyo University of Agriculture and Technology (2012),

University of Electro-Communications (2015).

Following student activities were held during the year of 2016.

- 1) April 23rd IEEE Student/YP/WIE/ LMAG (SYWL) Networking Workshop
- 2) Aug 5th 6th IEEE Student Branch Leadership Training Workshop 2016
- 3) Aug 6th IEEE Japan SYWL Workshop 2016
- 4) Aug 24th~27th IEEE R10 SYWL Congress 2016/R10 50 Years Anniversary
- 5) December 3rd IEEE The 13th TOWERS
(Transdisciplinary-Oriented Workshop for Emerging Researchers)

B.5 Affinity Group Activities

- Young Professionals (YP)

Following activities were held during the year of 2016.

- 1) April 23rd IEEE Student/YP/WIE/ LMAG (SYWL) Networking Workshop
- 2) May 24th IEEE Client Services/Maruzen/SYW Networking Event
- 3) June 4th 5th IEEE SIGHT Hack Challenge
- 4) Aug 6th IEEE Japan SYWL Workshop 2016
- 5) Aug 24th~27th IEEE R10 SYWL Congress 2016/R10 50 Years Anniversary
- 6) September 2nd STEP (Student Transition & Elevation Partnership) Event
- 7) October 1st Career Development Essay Contest and Workshop

- Life Members Affinity Group (LMAG)

Following activities were held during the year of 2016.

- 1) March 29th The 2016 Annual General Assembly
- 2) March 29th LMAG Tokyo Lecture Meeting of Prof Fumio Harashima
- 3) April 23rd IEEE Student/YP/WIE/ LMAG (SYWL) Networking Workshop
- 4) May 11th Lectures Celebrating the IEEE Milestones for NHK
- 5) June 22nd LMAG Tokyo Lecture Meeting of Dr. Takuo Aoyagi
- 6) July 14th JAXA Tour & LMAG Tokyo Lecture Meeting
- 7) Aug 6th Poster Session, IEEE Metro Area Workshop 2016 in Kansai
- 8) August 29th LMAG Tokyo Lecture Meeting of Dr. Takehiro Moriya
- 9) December 8th NHK Tour & LMAG Tokyo Lecture Meeting
- 10) LMAG Newsletter

No.17 and No.18 were published on April 18th and December 22nd

<http://ieee-jp.org/section/tokyo/en/about/lmag/newsletter.html>

- WIE

Tokyo Section has been actively engaged in the activities of WIE organized by the Japan Council.

B.6 Awards & Recognition Activities

- Awards and Recognitions Recipients in 2016

IEEE Robert N. Noyce Medal

Takuo SUGANO (The University of Tokyo)

IEEE Cleo Brunetti Award

Akira TORIUMI (The University of Tokyo)

IEEE James L. Flanagan Speech and Audio Processing Award

Takehiro Moriya (NTT)

- 2016 IEEE Young Professionals Affinity Group Hall of Fame Award

- Tokyo Section Young Professionals
- 2016 R10 Life Member Outstanding Volunteer Award
Kunio TADA

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

The Tokyo Section renewed the Tokyo Section Home Page.

<http://ieee-jp.org/section/tokyo/en/>

The Publications Committee issued a newsletter named “Tokyo Bulletin” seven times during the year of 2016.

<http://ieee-jp.org/section/tokyo/report/bulletin.html>

Besides the bulletin, the information on professional and technical meetings was timely distributed to members through our membership database from SAMIEEE system by e-mail. We make every effort for frequent update of the Section web page (<http://ieee-jp.org/section/tokyo/>).

The Publications Committee also contributed our article to the R10 Newsletter June2016.

http://www.ieeer10.org/wp-content/uploads/2016/06/R10_eNewsletter-June2016-final-highres.pdf

LMAG contributed to the IEEE R10 Newsletter Special Supplement.

<http://www.ieeer10.org/wp-content/uploads/2016/08/R10-Newsletter-Special-Supplement.pdf>

B.8 Industry Relations

- Activities for/with industrial members

Some members from the Tokyo Section participated in “IEEE Metro Area Workshop (MAW) in Kansai 2016”, for a purpose by activation of the Industry relation, organized by IEEE Kansai Section. The workshop was held on August 5 – 6, 2016, on Imadegawa Campus, Doshisya University.

B.9 Humanitarian Technology Activities: None

B.10 Other Organizational Activities

Region 10 annual General Meeting 2016 was held on March 4th-6th in Bangkok, Thailand, Mr. Kazuo Hagimoto, Tokyo Section Chair and Mr. Hidenobu Harasaki Tokyo Section Secretary, attended.

Region 10 50th Anniversary Celebrations started on 24th August at Bangalore, India. Five members from Tokyo Section attended. Members were;

Kazuo HAGIMOTO, Tokyo Section Chair

Kojiro NISHIMIYA, Tokyo Section YP Chair

Takehiro SATO, Tokyo Section YP Secretary

Yukihiro IMAKIIRE, Tokyo Section SB (Keio University SB)

Nagito TEZUKA, Tokyo Section SB (Kanto Gakuin University)

Japan Council/Tokyo Section announced about IEEE Day 2016 and IEEE Election 2016 by e-mail.

PART C - OTHERS

C.1 Special Events

- Dedication ceremony of IEEE Milestone for Japan Broadcasting Corporation “Emergency Warning Code Signal Broadcasting System” and “High Definition Television System” was held in Century Room-A at Hyatt Regency Tokyo, Japan on May 11, 2016. These are the 27th and the 28th Milestones in Japan.

C.2 Relationship with National Societies

The Section maintains a good relationship with 10 national Societies who hold the cooperation agreements with the IEEE. The ten Societies are:

- The Institute of Electrical Engineers of Japan (IEEJ)
- The Institute of Electronics, Information and Communication Engineers (IEICE)
- The Institute of Electronics, Information and Communication Engineers /Information & Systems Society (IEICE/ISS)
- The Illuminating Engineering Institute of Japan (IEIJ)
- Information Processing Society of Japan (IPSJ)
- The Institute of Image Information and Television Engineers of Japan (ITE)
- The Japan Society of Applied Physics (JSAP)
- The Japan Society for Science Policy and Research Management (JSSPRM)
- Magnetics Society of Japan (MSJ)
- The Society of Instrument and Control Engineers (SICE)

C3. Collaboration with other IEEE Sections

The Tokyo Section has supported the Japan Council to the following Event.

Supporting for R10 Meet 2017

Preparing the Celebration Event, March 2017

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

The Tokyo Section diligently works migration from Chapters in the Japan Council to those in jointly coordinated sections in Japan, 6 Chapters have been migrated to joint section chapters headed by the Tokyo Section in 2016.

C.5 Best Practices of your Section

The Tokyo Section supported for planning of Metro Area Workshop in Kansai 2016 and also has supported Metro Area Workshop in 2017.

PART D - GOALS AND PLANS

D.1 Continuation of Project/Activity in Progress and Their Implementation Plans

- Advance the cooperative relations with Boston Section and Seoul Section based on the sister section agreements.
- Promote support of Japan Council’s operation and develop closer ties with other Sections in Japan.
- Support Student Brunch activities in corporation with R10 and support further establishment of new Student Branches at Tokyo Section.

D.2 Goals and Future Plans

1. Increase member engagement
2. Improve relationships with and among members
3. Increase operational efficient and effectiveness, within the section and its interfaces
4. Enhance collaboration
 - a. Local face of Region/area to members and other non-IEEE societies
 - b. Local face of IEEE to community
5. Increase membership
6. Ensure the collection of appropriate information necessary to all the IEEE to become a data driven organization