

# IEEE Tokyo Section Report

For

## 2014

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## PART A - SECTION SUMMARY

### A.1 Executive Summary

- Three IEEE Milestone dedication ceremonies were held:
  - ( 1 ) Line Spectrum Pair (LSP) for high-compression speech coding, 1975, was held on May 22<sup>nd</sup>, 2014, at Palace Hotel, Tokyo, Japan. This is the 20<sup>th</sup> Milestone in Japan.
  - ( 2 ) Gapless Metal Oxide Surge Arrester (MOSA) for electric power systems, 1975, was held on August 18<sup>th</sup>, 2014, at Grand Prince Hotel, New Takanawa, Tokyo, Japan. This is the 22<sup>nd</sup> Milestone in Japan.
  - ( 3 ) The First Trans-Pacific Cable System (TPC-1), 1964, was held on November 12<sup>th</sup>, 2014, at Hotel Grand Palace, Tokyo, Japan. This is the 24<sup>th</sup> Milestone in Japan.
- IEEE Workshop on Japanese Industry Promotion was held on November 8<sup>th</sup>- 9<sup>th</sup>, 2014, at Waseda University, Tokyo, organized by IEEE Japan Council and Tokyo Section. Before this Workshop, Japan Council had performed questionnaire survey in the internet.  
<http://www.ieee-jp.org/japancouncil/IEEEsurvey2014.pdf#page=4>
- The IEEE Tokyo Section's Year 2014 General Assembly was held on March 14<sup>th</sup> (Fri). After the General Assembly, the First Lecture of 2014 was hosted by the Tokyo Section, and also a celebration ceremony for newly selected IEEE Fellows in 2014 was held. 2 new IEEE Fellows in the Tokyo Section attended the ceremony. The total number of membership is 7849, almost same as 2013.
- The Tokyo Section Executive Committee Meetings of 2014 were held 4 times, March 14<sup>th</sup>, June 6<sup>th</sup>, September 12<sup>th</sup> and December 5<sup>th</sup>.
- Technical Program Committee of the Tokyo Section hosted 6 Lecture Meetings.
- <Section Officer >
 

Chair:	Toshitaka TSUDA
Vice Chair:	Kazuo KYUMA
Secretary:	Isamu CHIBA

Treasurer: Seishi TAKAMURA

< Executive Committee Members >

Hiroki FUJISHIRO, Kazuo HAGIMOTO, Yasushi ONO, Toshihiko BABA,

Hiroki SHOKI, Hiromasa HABUCHI, Kunio TADA, Kohei OHNO,

Tomonori AOYAMA, Yoshihiro ARIMOTO, Ryuji KOHNO,

Hidenobu HARASAKI, Haruko KAWAHIGASHI

## A.1 Financial Report

2014 Financial Report IEEE Tokyo Section			
			All in Japanese Yen
INCOME	Budget	Actual	
<b>A. Tokyo Section</b>			
◆ IEEE From IEEE HQ/Region 10	15,390,000	17,649,712	
• Section Rebate	2,790,000	3,152,805	
• Section Assessment	12,600,000	14,496,907	
• Others	-	1,483,209	Audit Support, Yps, R10 Fund, SB Rebate, Advance of Milestone Plaques
◆ Interest	5,000	3,641	
Total Income of Tokyo Section	15,395,000	19,136,562	
<b>Total Income</b>	15,395,000	19,136,562	
EXPENDITURE			
◆ Japan Council Support	12,600,000	14,493,907	Handlin Charge 3000yen
◆ Meeting	650,000	699,281	
• Annual General Assembly	500,000	502,753	
• Technical Meetings	100,000	16,820	
• Executive Committee Mtgs.	50,000	49,221	
• Other Meetings	-	228,929	
◆ Committees' Activities	50,000	145,158	LMAG Newsletter
◆ Yps Activities	190,000	173,845	
◆ Student Branch Support	750,000	955,279	Travel expense for SBLT, Paper Contest, etc,
◆ Office Facility Maintenance	-	15,528	
◆ IT service operation	860,000	859,950	servercounstruction / sationed maintenance
◆ Telephone & Postage	5,000	360	
◆ Miscellaneous	150,000	282,533	168,000yen is Audit fee
◆ Special Expenses	350,000	1,200,186	*Milestone Plaque charge have been paid back in full. *Section Congress attendance support
Total Expenditure of Tokyo Section	15,605,000	18,826,027	
<b>Total Expenditure</b>	15,605,000	18,826,027	
SUMMARY			
Balance Brought Forward from 2013	2,309,027	2,309,027	
Total Income	15,395,000	19,136,562	
Total Expenditure	-15,605,000	-18,826,027	
Balance Carry Forward to 2015	2,099,027	2,619,562	

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

The Membership Development Committee made every effort to enhance membership. The membership by grade is as follows:

Grade	Number (12/31/2013)	Number (12/31/2014)
Life Fellow	159	165
Fellow	183	181
Life Senior Member	68	74
Senior Member	439	443
Life Member	223	246
Member	5714	5739
Associate	280	245
Student	843	754
Others(HM, PM, LA)	2	2
<b>Total</b>	<b>7911</b>	<b>7849</b>

\*The Tokyo Section is the fifth largest section in the all sections, and second largest in R10, as the data of 2013 year end.

- 5 members were newly selected as IEEE fellows from Tokyo Section in 2014.
  1. Toshio Iguchi
  2. Kazunari Ishimaru
  3. Senichi Suzuki
  4. Hiroshi Takahashi
  5. Kazuo Tanaka

### B.2 Chapter Activities

37 Society Chapters belonged to the Japan Council and 17 Chapters belonged to Sections. Move to establish Chapters in each Section is progressing. Tokyo Section cooperates with Japan Council Chapter Operations Committee to encourage new formation of local Chapters.

37 Societies (Society Codes) are as follows:

Signal Processing Society (SP-01)  
 Broadcast Technology (BT-02)  
 Antennas & Propagation (AP-03)  
 Circuits & Systems (CAS-04)  
 Nuclear & Plasma Sciences (NPS-05)  
 Vehicular Technology Society (VT-06)  
 Reliability (RL-07)  
 Consumer Electronics (CE-08)  
 Instrumentation & Measurement (IM-09)  
 Aerospace and Electronic Systems (AES-10)  
 Computational Intelligence (CIS-11)

Information Theory (IT-12)  
 Industrial Electronics (IE-13)  
 Technology Management Council(TM-14)  
 Electron Devices Society (ED-15)  
 Computer (COMP-16)  
 Microwave Theory & Techniques (MTT-17)  
 Engineering in Medicine & Biology (EMB-18)  
 Communications (COMM-19)  
 Ultrasonics, Ferroelectrics & Frequency Control (UFFC -20)  
 Components, Packaging & Manufacturing Technology (CPMT-21)  
 Oceanic Engineering (OE-22)  
 Control Systems (CS-23)  
 Robotics and Automation (RA-24)  
 Education (E-25)  
 Professional Communication (PC-26)  
 Electromagnetic Compatibility (EMC-27)  
 Systems, Man & Cybernetics (SMC-28)  
 Geoscience & Remote Sensing (GRS-29)  
 Society on Social Implications of Technology (SIT-30)  
 Power & Energy (PE-31)  
 Dielectrics & Electrical Insulation (DEI-32)  
 Magnetism (MAG-33)  
 Industry Applications (IA-34)  
 Power Electronics (PEL-35)  
 Photonics (Formerly LEOS) (PHOT-36)  
 Solid-State Circuits (SSC-37)

### **B.3 Professional and Continuing Education Activities**

Following lecture meetings were held during the year of 2014.

1) March 14<sup>th</sup>

Title: “IEEE Milestone activity and dispatch to the technical world of Japan “

Lecturer: Dr. Eiichi Ohno (IEEE Life Fellow)

(★Recipient of The 2013 MGA Achievement Award,  
The 2013 R10 Outstanding Volunteer Award)

2) May 22<sup>nd</sup> --Lectures Celebrating the IEEE Milestone to Line Spectrum Pair (LSP)  
for high-compression speech coding

Title 1: “IEEE Milestones”

Lecturer 1: Prof. Isao Shirakawa (IEEE Japan Council History Committee Chair)

Title 2: “The status of usage of Line Spectrum Pair (LSP) for speech compression”

Lecturer 2: Dr. Takehiro Moriya (NTT Communication Science Laboratories,  
Fellow)

Title 3: “How Line Spectrum Pair (LSP) was devised”

Lecturer 3: Prof. Fumitada Itakura (Nagoya University)

3) July 10<sup>th</sup>

Title: “Space development of Japan and the future prospects”

Lecturer: Dr. Keiji Tachikawa (Former President, Japan Aerospace Exploration Agency)

4) August 18<sup>th</sup> --Lectures Celebrating the IEEE Milestone to Gapless Metal Oxide Surge Arrester (MOSA)

Title 1: "IEEE Milestones".

Lecturer 1: Prof. Isao Shirakawa (IEEE Japan Council History Committee, Chair)

Title 2: "Birth of Gapless Metal Oxide Surge Arrester (MOSA) and its Business Development Activities in Formative Years"

Lecturer 2: Mr. Misao Kobayashi (Representative Director, Power System, Surge Protect KK)

Title 3: "Technologies Trend of Metal Oxide Surge Arrester"

Lecturer 3: Mr. Masayuki Takada (Assistant Senior Engineer, Engineering Department, SORESTER Factory Meidensha Corporation)

5) November 12<sup>th</sup> --Lectures Celebrating the IEEE Milestone to the First Trans-Pacific Cable System (TPC-1)

Title 1: "IEEE Milestones"

Lecturer 1: Prof. Isao Shirakawa (IEEE Japan Council History Committee, Chair)

Title 2: "TPC-1"

Lecturer 2: Mr. Atsuo Ebata (President, AMMEC )

Mr. Hachirou Tamaki (Formerly with Ocean Cable Co., Ltd.)

Title 3: "TPC-1 to FASTER"

Lecturer 3: Mr. Shigeto Kiritani (CTO, KDDI Corporation.)

6) December 8<sup>th</sup>

Title: "The Application-oriented Human Interface R&D - From Nonsense to Commonsense."

Lecturer: Dr. Miwako Doi (Auditor of NICT, IEEE Fellow, Formerly with Toshiba Corporation)

## B.4 Students Activities

The Tokyo Section has 11 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).

Following student activities were held during the year of 2014.

- 1) March 15<sup>th</sup> EEE LMAG/Student/YPs/WIE Networking Workshop
- 2) October 17<sup>th</sup> ~18<sup>th</sup> Student Branch Leadership Workshop @ Kansai University
- 3) June 28<sup>th</sup> & November 15<sup>th</sup> The 11<sup>th</sup> & 12<sup>th</sup> Career Development Workshop for Young Students and Professionals

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

- Young Professional

Following other activities were held during the year of 2014.

- 1) March 15<sup>th</sup> EEE LMAG/Student/YPs/WIE Networking Workshop
- 2) June 28<sup>th</sup> & November 15<sup>th</sup> The 11<sup>th</sup> & 12<sup>th</sup> Career Development Workshop for Young Students and Professionals

- Life Members Affinity Group

- 1) March 14<sup>th</sup> The 2014 Annual General Assembly
- 2) March 14<sup>th</sup> LMAG Tokyo Lecture Meeting of Dr. Eiichi Ohn
- 3) LMAG Newsletter No.12 and No.13 were published on May 8<sup>th</sup> and October 8<sup>th</sup>.  
[http://www.ieee-jp.org/section/tokyo/lmag/newsletter/index\\_e.htm](http://www.ieee-jp.org/section/tokyo/lmag/newsletter/index_e.htm)
- 4) Lectures Celebrating the IEEE Milestone were held 3 times, May 22<sup>nd</sup>, August 18<sup>th</sup>, and November 12<sup>th</sup>.
- 5) July 10<sup>th</sup> Jaxa Tour & LMAG Tokyo Lecture Meeting of Dr. Keiji Tachikawa
- 6) December 8<sup>th</sup> LMAG Tokyo Lecture Meeting of Dr. Miwako Doi

- WIE

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

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

- Awards and Recognitions Recipients in 2014;  
Eiichi Ohno : The 2013 MGA Achievement Award  
The 2013 R10 Outstanding Volunteer Award

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

The Publications Committee issued a newsletter named “Tokyo Bulletin” eight times during the year of 2014.

[http://www.ieee-jp.org/section/tokyo/bulletin/bulletin\\_e.htm](http://www.ieee-jp.org/section/tokyo/bulletin/bulletin_e.htm)

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://www.ieee-jp.org/section/tokyo/>). Tokyo Section web page also provides the information from the Japan Council, 37 Japan Chapters, and Student Branches.

### **B.8 Other Organizational Activities**

Region 10 annual General Meeting 2014 was held on March 1<sup>st</sup>- 2<sup>nd</sup> in Kuching, Malaysia, Prof. Toshitaka Tsuda from the Tokyo Section attended.

IEEE Section Congress 2014 was held on August 22<sup>nd</sup> -24<sup>th</sup> in Amsterdam, Nederland, Prof. Toshitaka Tsuda from the Tokyo Section attended.

IEEE Workshop on Japanese Industry Promotion was held on November 8<sup>th</sup>- 9<sup>th</sup>, 2014, Waseda University, Tokyo, organized by IEEE Japan Council and Tokyo Section supported by Waseda University. (Cosponsored with LMAG, YPs and JC WIE)

This Workshop consisted of 2 keynote Speeches, 2 Invited Speeches, 2 Guest Speeches, 2 Presentations, 2 Panel Discussions and Networking Reception. Number of participants was about 104.

The Tokyo Section established History Committee as a standing committee for the first section in Japan.

Tokyo Section diligently works migration from Chapters in Japan Council to those in jointly coordinated sections in Japan, many of them are headed by Tokyo Section. Twenty Chapters have been migrated to joint section chapters headed by Tokyo Section.

The Chapter Operation Committee has held for changing status of Japan Council Chapter to joint section chapters headed by Tokyo Section.

## **PART C - OTHERS**

### ● **C.1 Relationship with National Societies**

The Section maintains a good relationship with 8 national Societies who hold the cooperation agreements with the IEEE. The eight Societies are

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

## **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.
- Tokyo Section, with an assistance of Japan Council Industry Promotion Committee, is going to hold Metro Area Workshop for the purpose of the technical enlightenment to practitioners, YPs, WIE and students in May, 2015.

## **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
7. Tokyo Section will hold Metro Area Workshop on May 15th-16th, at Waseda University, Tokyo.