

IEEE Tokyo Section Report

For

2013

Toshitaka Tsuda, Chair

Waseda University

Tel & Fax: +81-3-5776-7670

Email: tsuda-toshitaka@nifty.com

PART A - SECTION SUMMARY

A.1 Executive Summary

- The IEEE Tokyo Section's Year 2013 General Assembly was held on March 14th (Thu.). After the General Assembly, the First Lecture of 2013 was hosted by the Tokyo Section, and also a celebration ceremony for newly selected IEEE Fellows in 2013 was held. 9 new IEEE Fellows in the Tokyo Section attended the ceremony. The total number of membership is 7911, almost same as 2012.
- The Tokyo Section Executive Committee Meetings of 2013 were held 4 times, March 13th, July 10th, October 19th and December 5th.
- Technical Program Committee of the Tokyo Section hosted 6 Lecture Meetings.
- Dedication Ceremony of IEEE Milestone for the Toshiba T1100, a pioneering contribution to the development of laptop PC, 1985 was held on October 28th, 2013 at Hotel Okura, Tokyo, Japan. This is the 18th Milestone in Japan.
- <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 *See the Next Page

2013 Financial Report IEEE Tokyo Section

All in Japanese Yen

| INCOME | Budget | Actual | |
|------------------------------------|-------------|-------------|---|
| A. Tokyo Section | | | |
| ◆ From IEEE HQ/Region 10 | 15,341,400 | 16,152,962 | |
| • Section Rebate | 2,741,400 | 3,041,993 | |
| • Section Assessment | 12,600,000 | 13,110,969 | |
| • Others | - | 661,908 | L MAG Newsletter Expense Support, Audit Support |
| ◆ Interest | 40,000 | 2,191 | |
| Total Income of Tokyo Section | 15,381,400 | 16,817,061 | |
| Total Income | 15,381,400 | 16,817,061 | |
| EXPENDITURE | | | |
| ◆ Japan Council Support | 12,600,000 | 13,107,969 | Handling Charge 3000yen |
| ◆ Meetings | 650,000 | 765,938 | |
| • Annual General Assembly | 500,000 | 450,540 | |
| • Technical Meetings | 100,000 | 199,129 | |
| • Executive Committee Mtgs. | 50,000 | 31,819 | |
| • Other Meetings | - | 84,450 | |
| ◆ Committees' Activities | 50,000 | 105,132 | L MAG Newsletter |
| ◆ GOLD Activities | 130,000 | 143,931 | |
| ◆ Student Branch Support | 1,000,000 | 953,921 | Travel expense for SBT LW, Paper Contest, etc. |
| ◆ Office Facility Maintenance | - | 26,050 | |
| ◆ IT service operation | 860,000 | 859,950 | server construction / stationed maintenance |
| ◆ Telephone & Postage | 5,000 | 3,500 | |
| ◆ Miscellaneous | 150,000 | 289,365 | Audit fees & bank charges |
| ◆ Special Expenses | 820,000 | 1,113,227 | Milestone Plaques |
| Total Expenditure of Tokyo Section | 16,265,000 | 17,368,983 | |
| Total Expenditure | 16,265,000 | 17,368,983 | |
| SUMMARY | | | |
| Balance Brought Forward from 2012 | 2,860,949 | 2,860,949 | |
| Total Income | 15,381,400 | 16,817,061 | |
| Total Expenditure | -16,265,000 | -17,368,983 | |
| Balance Carry Forward to 2012 | 1,977,349 | 2,309,027 | |

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 (12/31/2012) | Number (12/31/2013) |
|--------------------|------------------------|------------------------|
| Life Fellow | 148 | 159 |
| Fellow | 195 | 183 |
| Life Senior Member | 63 | 68 |
| Senior Member | 448 | 439 |
| Life Member | 206 | 223 |
| Member | 5753 | 5714 |
| Associate | 372 | 280 |
| Student | 800 | 843 |
| Others(HM, PM, LA) | 2 | 2 |
| Total | 7987 | 7911 |

*The Tokyo Section is the fifth largest section in the all sections, second largest in R10.

- 12 members were newly selected as IEEE fellows from Tokyo Section in 2013.
 1. Andrzej Cichocki
 2. Takatomo Enoki
 3. Hiroyuki Arai
 4. Akira Hirose
 5. Kazuro Kikuchi
 6. Masaru Kitsuregawa
 7. Masaaki Niwa
 8. Masaya Notomi
 9. Eiji Oki
 10. Takuro Sato
 11. Hirotaka Tamura
 12. Haruhiko Tsuchiya

B.2 Chapter Activities

37 Society Chapters now belong to the Japan Council and 21 Chapters belong 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)
 Magnetics (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 2013.

1) March 14th

Title: “Car navigation development in Japan and its technological value “
 Lecturer: Dr. Tsuneo Takahashi
 (President of NF Circuit Design Block)
 (★Recipient of the IEEE Medal for Environmental and Safety Technologies)

2) April 26th

Title: “The 2013 Second Lecture of IEEE Tokyo Section”
 Lecturer: Mr. Wael Diab
 (Vice Chair of the IEEE 802.3 Ethernet Working Group)

3) July 12th

Title: "LMAG Tokyo Commemorative Lecture and Discussion Meeting for Prof.
 Y. Okumura's NAE Charles Stark Draper Prize Winning”

Lecturer: Dr. Yoshihisa Okumura
(Professor Emeritus, Kanazawa Institute of Technology)

Panelist: Dr. Sadao Ito, Dr. Masato Eguchi, Dr. Terumochi Kamata, Dr. Yasushi Matsuzaka, Dr. Noriaki Yoshikawa,

4) October 18th

Title: "My thoughts now and my 40 years of the study and education on speech and multimedia processing".

Lecturer: Dr. Sadaoki Furui (president of Toyota Technological Institute at Chicago, Professor Emeritus of Tokyo Institute of Technology)

(★Recipient of the IEEE James L. Flanagan Speech and Audio Processing Award 2010)

5) October 28th --Lectures Celebrating the IEEE Milestone to Toshiba Laptop PC

Title 1: Outline of IEEE Milestones"

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

Title 2: "Japan and IEEE: Moving forward with Innovation while Honoring and Learning from the Past (tentative)"

Lecturer 2: Dr. Peter Staecker (IEEE President and CEO)

Title 3: "Commemorative Lecture for Laptop PC T1100"

Lecturer 3: Mr. Atsutoshi Nishida (Director, Chairman of the Board of Toshiba)

6) November 29th

Title: "A path of the understanding of carrier transport properties in CMOS and enhancing the performance"

Lecturer: Dr. Shinichi Takagi (Professor, University of Tokyo)

(★Recipient of the IEEE Andrew S. Grove Award)

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 2013.

- 1) April 26th Lecture of Dr. Wael Diab
- 2) June 22nd The 9th Career Development Workshop for Young Students and Professionals
- 3) July 7th Woman in Engineering 2013
- 4) July 11th -14th IEEE R10 Student/GOLD/WIE Congress 2013
- 5) August 26th Student Branch Leadership Workshop @ Tohoku University
- 6) October 5th IEEE Day Party 2013
- 7) Oct. ~Nov. Electronic Circuit Workshop @ TUAT
- 8) November 30th The 10th Career Development Workshop for Young Students and Professionals

- 9) December 7th The 10th IEEE Tokyo Young Researchers Workshop

B.5 Affinity Group Activities

- GOLD

Following other activities were held during the year of 2013.

- 1) March 29th Company Tour to Sumitomo Electric/Smart grid- related facility
- 2) April 26th Lecture of Dr. Wael Diab
- 3) June 22nd The 9th Career Development Workshop for Young Students and Professionals
- 4) July 7th Woman in Engineering 2013
- 5) July 11th -14th IEEE R10 Student/GOLD/WIE Congress 2013
- 6) August 26th -29th Cooperation for Region 10 HTC Meeting Welcome Reception, Poster Session
- 7) August 8th The 2nd STEP Event “Fujitsu Tour and Researchers Seminar”
- 8) November 30th The 10th Career Development Workshop for Young Students and Professionals
- 9) December 7th The 10th IEEE Tokyo Young Researchers Workshop

- Life Members Affinity Group

- 1) January 25th Issued LMAG Newsletter No.8
- 2) March 14th The 2013 Annual General Assembly
- 3) April 30th Issued LMAG Newsletter No.9
- 4) July 12th LMAG Tokyo Commemorative Lecture and Discussion Meeting for Prof. Y. Okumura's NAE Charles Stark Draper Prize Winning
- 5) July 12th LMAG Tokyo Officers' Meeting
- 6) August 30th Issued LMAG Newsletter No. 10
- 7) October 18th LMAG Tokyo Lecture Meeting of Dr. Sadaoki Furuji
- 8) October 28th Lectures Celebrating the IEEE Milestone to Toshiba Laptop PC
- 9) November 29th LMAG Tokyo Lecture Meeting of Dr. Shinichi Takagi
- 10) November 29th LMAG Tokyo Officers' Meeting

- 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 2013;
Tsuneo Takahashi : IEEE Medal for Environmental and Safety Technologies
Shinichi Takagi : IEEE Andrew S. Grove Award

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

The Publications Committee issued a newsletter named “Tokyo Bulletin” fourth times during the year of 2013. 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 2013 was held on March 2nd - 3rd in Chiang Mai, Thailand, Prof. Toshitaka Tsuda from the Tokyo Section attended.

IEEE Region 10 Student/GOLD/WIE Congress 2013 was held on July 11th -14th in Hyderabad, India, 2 students from Student Branches and 1 student from GOLD attended.

The Chapter Operation Committee has held for changing status of Japan Council Chapter to Tokyo Section Chapter.

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 Branch 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