

IEEE Tokyo Section Report

For 2011

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PART A - SECTION SUMMARY

A.1 Executive Summary

- The IEEE Tokyo Section's Year 2011 General Assembly was held on March 11th (Fri.). After the General Assembly, the First Lecture of 2011 was hosted by the Tokyo Section, and also a celebration ceremony for newly selected IEEE Fellows in 2011 was held. 5 new IEEE Fellows in the Tokyo Section attended the ceremony. The total number of membership stays almost the same as 2010. The earthquake occurred during the Annual General Assembly, however, we adjusted the schedule and responded to the assembly.
- The Tokyo Section Executive Committee Meetings of 2011 were held 4 times, March 11th, June 16th, September 29th and November 24th.
- Technical Program Committee of the Tokyo Section hosted 5 Lecture Meetings.
- "First Direct Broadcast Satellite Service, 1894", developed by NHK was approved as an IEEE Milestone on April 5, 2011, and was dedicated on November 18th, 2011, at NHK Science and Technology Research Laboratories, Tokyo, Japan.

- **< Section Officer >**

Chair: Tomonori Aoyama

Vice Chair: Hirohisa Gambe

Secretary: Yoshihiro Arimoto

Treasurer: Ryuji Kohno

- **< Executive Committee Members >**

Michihiko Suhara, Fumio Koyama, Hiroyuki Ohsaki, Shigehisa Arai,

Seishi Takamura, Makoto Itami, Isamu Chiba, Yasuharu Ohgo, Kohei Habara

Hideki Imai, Makoto Hanawa, Hideki Hashimoto

A.1 Financial Report *See the Next Page

2011 Financial Report

IEEE Tokyo Section

All in Japanese Yen

INCOME	Budget	Actual	
A.Tokyo Section			
♦ From IEEE HQ Region 10	13,284,180	14,012,248	
• Section Rebate	2,364,180	2,325,998	
• Section Assessment	10,920,000	11,345,158	
• Others	-	341,092	LMAG Newsletter Expense Support, Audit Support
♦ Interest	40,000	5,377	
Total Income of Tokyo Section	13,324,180	14,017,625	
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EXPENDITURE			
♦ Japan Council Support	10,920,000	11,342,158	Handling Charge 3000yen
♦ Meetings	1,600,000	1,294,733	
• Annual General Assembly	700,000	747,485	
• Technical Meetings	500,000	475,698	
• Executive Committee Mgs.	100,000	7,430	
• Other Meetings	300,000	64,120	
♦ Committees' Activities	100,000	122,750	LMAG Newsletter
♦ GOLD Activities	200,000	1,111,575	
♦ Student Branch Support	1,000,000	1,790,886	Travel expense for SBT LW, Paper Contest, etc.
♦ Office Facility Maintenance	300,000	411,994	
♦ IT service operation	1,000,000	928,620	server construction / stationed maintenance
♦ Telephone & Postage	40,000	10,656	
♦ Miscellaneous	350,000	279,166	Audit fees & bank charges
♦ Special Expenses	500,000	354,595	Travel expense for Section Congress
Total Expenditure of Tokyo Section	16,010,000	17,647,133	
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SUMMARY			
Balance Brought Forward from 2010	7,710,391	7,710,391	
Total Income	13,324,180	14,017,625	
Total Expenditure	-16,010,000	-17,647,133	
Balance Carry Forward to 2010	5,024,571	4,080,883	

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 (12/31/2010)	Number (12/31/2011)
Life Fellow	125	132
Fellow	206	203
Life Senior Member	54	59
Senior Member	419	438
Life Member	186	197
Member	5751	5603
Associate	401	416
Student	721	713
Others(HM, PM, LA)	2	2
Total	7865	7763

*The Tokyo Section is fifth largest section.

- 11 members were newly selected as IEEE fellows from Tokyo Section in 2011.
 1. Miwako Doi
 2. Yoshihiro Fujita
 3. Digh Hisamoto
 4. Shin'ichiro Kimura
 5. Yoshinobu Nakagome
 6. Yoshihiko Nakamura
 7. Sakae Okubo
 8. Masanobu Shimada
 9. Akihiko Sugiyama
 10. Kunio Uchiyama
 11. Hirosuke Yamamoto

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)
 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 2011.

1) March 11th

Title: “Development and Climate of 1st Generation Prius, and Foresight for the Next Generation Automobile“

Lecturer: Prof. Shoichi Sasaki
(Professor of Keio University)

(Recipient of 2010 IEEE Daniel E. Noble Award and 2011 IEEE Medal for Environmental and Safety Technologies)

2) May 31st

Title: “Update of Global Managed Data Network Service -Referring to Japanese and European Service Providers, NTT Communications and Orange Business Services -”

Lecturer: Dr. Shuji Tomita
(itSMF Japan)
(IEEE Life Senior Member)

3) October 31st

Title: "Ambient Electronics and Extremely Low-Power Circuit Design"
 Lecturer: Dr. Tadayasu Sakurai
 (Professor of the Tokyo University)
 (Recipient of the 2010 IEEE Donald O. Pederson Award in Solid-State Circuits)

4) November 18th

Title 1: "Development of satellite broadcasting technology".
 Lecturer 1: Dr. Etsuro Kimura
 (Ex-Director General NHK Science & Technology Research Laboratories)

Title 2: "Dawn of the satellite broadcasting and the future".
 Lecturer 2: Dr. Takehiko Yoshino
 (Ex-Executive Director- General of Engineering NHK)

5) December 2nd

Title: "The Communication Network seen from the Great East Japan Earthquake"
 Lecturer: Dr. Kazuo Hagimoto
 (Director of NTT Science and Core Technology Laboratory Group)

B.4 Students Activities

The Tokyo Section has 9 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).

Following student activities were held during the year of 2011.

- | | |
|------------------------------|--------------------------------------------------------------------------------------|
| 1) March 4 th | Keio University Ph.D. Student Paper Contest |
| 2) June 25 th | The 5 th Career Development Workshop for Young Students and Professionals |
| 3) July 7 th | R10 Student Congress@ New Zealand |
| 4) July 29 th | Tokyo Institute of Technology 2011 Student Paper Contest |
| 5) October 8 th | Presentation Lecture for "Frist International Conference" |
| 6) October 29 th | The 6 th Career Development Workshop for Young Students and Professionals |
| 7) November 12 th | Student Branch Leadership Workshop @ Kumamoto |
| 8) November 30 th | The 8 th IEEE Tokyo Young Researchers Workshop |

B.5 Affinity Group Activities

• GOLD

The Tokyo GOLD Executive Committee Meetings of 2011 were held twice, February 16th, and April 11th.

Following other activities were held during the year of 2011.

- | | |
|-----------------------------|--------------------------------------------------------------------------|
| 1) February 5 th | Tokyo GOLD New Year Banquet |
| 2) February 9 th | The 1st Student Transition & Elevation Partnership (STEP) Event in Tokyo |

- 3) June 25th The 5rd Career Development Workshop for Young Students and Professionals
- 4) July 7th -10th R10 Student/GOLD/WIE Congress@ New Zealand
- 5) August 17th- IEEE GOLD Summit
- 6) August 19th- Section Congress 2011 Poster Presentation
- 8) August 8th The 2nd Mt. Fuji Climbing Tour
- 9) September 18th - IEEE 802 Wireless Interim Meeting (Observe)
- 10) October 8th Presentation Lecture for “Frist International Conference”
- 11) September 28th - The 3rd Career Development Essay Contest for Young Students Professionals
- 12) October 29th The 6th Career Development Workshop for Young Students and Professionals

- Life Members Affinity Group

- 1) March 11th The 2011 Annual General Assembly
- 2) May 11th Issued LMAG Newsletter No.2
- 3) May 31st The 1st Lecture Meeting Co-held with Tokyo Section
- 4) July 25th Issued LMAG Newsletter No.3
- 5) December 2nd The 2nd Lecture Meeting Co-held with Tokyo Section

- 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 2011;
 - Shoichi Sasaki : IEEE Medal for Environmental and Safety Technologies
 - Jun Murai : IEEE Internet Award
 - Hirochika Inoue : IEEE Robotics and Automation Award
 - Isamu Akasaki : IEEE Edison Medal

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

The Publications Committee issued a newsletter named “Tokyo Bulletin” six times during the year of 2011. 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 2011 was held on March 5th -6th in Yogyakarta, Indonesia, Prof. Park, Prof. Iwai, Prof. Hashimoto, Dr. Minami, Dr. Gambe, Dr. Arimoto from the Tokyo Section attended.

Section Congress 2011 was held on August 19th -22nd in San Francisco, U.S.A, 20 delegates attended from Japan Council. Prof. Aoyama (Chair of Tokyo Section) and Prof. Imai (Chair of Japan Council) attended.

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 Section 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