IEEE Sendai Section
Annual Report 2015

PART A - SECTION SUMMARY

A.1 Executive Summary

- **Section Highlights**
  - The following technical events were held.
    - Sponsored 2 lecture meetings
      - Special Lecture Meeting by Dr. Masayoshi Esashi, received IEEE Andrew S. Grove Award.
      - Lecture Meeting for Earthquake Disaster Reconstruction “Recent activities on Society and Chapter at Sendai Section”
    - Supported 4 technical events (lecture meeting, symposium, 2workshops)
  - Co-sponsored “2015 Tohoku-Section Joint Convention of Institute of Electrical and Engineers, Japan (TSJC)” at Iwate Prefectural University [27-28 Aug. 2015]
  - The following Administrative Meetings were held.
    - Annual General Meeting
    - 2 times Section Board Meetings
    - 4 times Administrative Officers Meetings
  - Activities for students
    - The English Presentation Seminar on TSJC
    - Student Session on TSJC
    - Sendai Section Student Awards ceremony
  - New Officers and Executive Committee Members (2016-2017) were elected.

- **Section Executive Committee Member List [2016-2017]**
  - **Officers**
    - Chair: Masataka Nakazawa (Tohoku University)
    - Pase Chair: Fumiyuki Adachi (Tohoku University)
    - Vice-Chair: Masayuki Kawamata (Tohoku University)
    - Secretary: Taiichi Otsuji (Tohoku University)
    - Treasurer: Hirofumi Kobayashi (NTT EAST-TOHOKU)
  - **Executive Committee Members**
    - Masashi Imai (Hirosaki University)
    - Yukio Iwaya (Tohoku Gakuin University)
    - Eisuke Kudoh (Tohoku Institute of Technology)
    - Toru Kurabayashi (Akita University)
    - Shin Masuda (Advantest Laboratories Ltd.)
    - Shinya Narita (Iwate University)
    - Toru Shibuya (NEC Communication Systems, Ltd.)
    - Takuo Seganuma (Tohoku University)
    - Teruo Tobana (Akita Prefectural University)
    - Hiroyuki Watanabe (Nihon University)
    - Tetsuya Yuasa (Yamagata University)
    - Qiangfu ZHAO (The University of Aizu)

- **Section Standing Committee**
  - **Student Activities Committee** (Chair: Takuo Seganuma)
  - **Membership Development Committee** (Chair: Taiichi Otsuji)
  - **Chapter Promotion Committee** (Chair: Masayuki Kawamata)
  - **Technical Program Committee** (Chair: Masayuki Kawamata)

- **Awards from IEEE HQ**
  - IEEE Technical Field Awards
    - Dr. Masayoshi Esashi received IEEE Andrew S. Grove Award
A.2 Financial Report
The Sendai Section’s finances are in good condition.
Financial summary of 2015FY is as follows;

<table>
<thead>
<tr>
<th>Income/Expense</th>
<th>Item</th>
<th>Budget</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Income</strong></td>
<td>Section Assessment</td>
<td>1,200,000</td>
<td>1,418,310</td>
</tr>
<tr>
<td></td>
<td>Section Rebate (Including Chapter Rebate)</td>
<td>600,000</td>
<td>711,346</td>
</tr>
<tr>
<td></td>
<td>Support from Japan Council</td>
<td>250,000</td>
<td>219,157</td>
</tr>
<tr>
<td></td>
<td>Interest</td>
<td>100</td>
<td>220</td>
</tr>
<tr>
<td></td>
<td>Total of Income</td>
<td>2,050,100</td>
<td>2,349,033</td>
</tr>
</tbody>
</table>

| **Expense**    | Section Assessment to Japan Council | 1,080,000 | 1,272,399 |
|                | Chapter Rebate                      | 110,500   | 123,636 |
|                | Meeting & Social Events             | 346,000   | 218,173 |
|                | Student Activities                  | 292,000   | 124,255 |
|                | Awards                              | 48,000    | 99,885  |
|                | Management & General Expense        | 225,000   | 1,951,253 |
|                | Total of Expense                    | 2,095,500 | 1,951,253 |

Balance of year end of 2014 | 1,002,894 | 1,002,894  
Balance of year end of 2015 | 957,494   | 1,400,674  

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities
Membership Development Committee supported to upgrade to Senior Member.
- 2 members were newly elevated to Senior Member in Sendai Section.
- Total members in the past 3 each years are 695(2015), 701(2014), 705(2013).
- Numbers of membership by grade in 2015 are as follows;

<table>
<thead>
<tr>
<th>Grade</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellow</td>
<td>31</td>
</tr>
<tr>
<td>Senior Member</td>
<td>71</td>
</tr>
<tr>
<td>Member</td>
<td>467</td>
</tr>
<tr>
<td>Associate Member</td>
<td>17</td>
</tr>
<tr>
<td>Graduate School Member</td>
<td>99</td>
</tr>
<tr>
<td>Student Member</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>695</strong></td>
</tr>
</tbody>
</table>

B.2 Chapter Activities
Chapter Promotion Committee supported Chapters activities in Sendai Section.
- The following 4 Chapters are active and have good activities. (Details of the financial
  - EMC27 Sendai Chapter held 14 technical meetings, and Colloquium
  - MAG33 Sendai Chapter held 7 technical meetings
  - COM19 Sendai Chapter held 6 technical meetings
  - SP01 Sendai Chapter held 4 technical meetings
- Magnetics Society Sendai/Sapporo Joint. Sections Chapter was formed on 23 Dec. 2015

B.3 Professional and Continuing Education Activities
Technical Program Committee arranged following technical meeting on section revel.
- Technical Meetings
  - **Sponsored**
    - Special Lecture Meeting [17 Apr. 2015]
      Speaker: Dr. Masayoshi Esashi, received IEEE Andrew S. Grove Award in 2015.
    - Lecture Meeting for Earthquake Disaster Reconstruction [30 Nov. 2015]
      Topic: “Recent activities on Society and Chapter at Sendai Section”
  - **Cooperated**
    - JUNO workshop Future energy- and Spectral-Efficient Ultra-Dense Networks [23 Feb. 2015, Attendance: 35]
    - Industry-academia collaboration Symposium for Advanced Engineering Course, National College of Technology in Tohoku [5 Dec. 2015, Attendance: 204]
B.4 Students Activities

- Tohoku University Student Branch is active in Sendai Section.
  - Attended at Japan Council Student Branch Workshop at Waseda University [15-16 May. 2015]
  - Held 2 Technical Meetings
  - Joined as the judge on student session

- Section level student activities
  - Student Session on TSJC (36 presentations)
  - English Presentation Seminar on TSJC (attendance: 74)
    - Key Elements of a Presentation
    - Capturing Immediate Attention
    - Keeping the Audience’s Attention
    - Making Your Slides Work for You
    - Driving Home Your Conclusions
    - Platform Presence and Delivery

B.6 Awards & Recognition Activities

- Technical Field Awards from IEEE HQ
  - IEEE Andrew S. Grove Award
    - Dr. Masayoshi Esashi (Tohoku University)
      For developments in micro-electro-mechanical systems (MEMS) used in transportation and industrial electronics.

- Sendai Section Student Awards 2015
  - The Best Paper Prize
    - Naoki Miyashita (Tohoku University)
    - Yoshihiro Osakabe (Tohoku University)
    - Shuto Shinbo (Tohoku University)
    - Ryuhei Tachika (Hirosaki University)
  - The Encouragement Prize
    - Yutaro Hokari (Tohoku University)
    - Satoru Ishibashi (National Institute of Technology, Hachinohe College)
    - Beiyi Liu (Akita Prefectual University)
    - Chen Ye (Akita Prefectual University)

B.7 Communication Activities

- Home Page of the Section and Chapters
  - Sendai Section
    - [http://www.ecei.tohoku.ac.jp/ieee-sendai/](http://www.ecei.tohoku.ac.jp/ieee-sendai/)
  - Chapters
    - EMC27
    - MAG33
    - COM19
      - [https://webinabox.vtools.ieee.org/wibp_home/index/CH10605](https://webinabox.vtools.ieee.org/wibp_home/index/CH10605)
    - SP01

- Sendai Section provided more than 10 times of information of meeting, seminar, and other events for section members via mailing list.
PART C - OTHERS

C.1 Special Events
- 2015 Tohoku-Section Joint Convention of Institute of Electrical and Engineers, Japan (TSJC) was held at Iwate Prefectural University, Takizawa, Iwate [27-28 Aug. 2015]
  - Cosponsored by IEEE Sendai Section
  - 39 sessions
  - 225 presentations (including 36 English presentations in Student Session)
  - 14 organizations joined exhibition
  - Special Lecture Meeting on International Linear Collider (ILC)
  - Sessions organized by a corporation, etc.

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)
- Sendai Section is maintaining a good relationship with Tohoku Section of the following 7 National Societies.
  o The Acoustical Society of Japan (ASJ)
  o The Institute of Electrical Engineers of Japan (IEEJ)
  o The Institute of Electronics, Information and Communication Engineers (IEICE)
  o The Institute of Electrical Installation Engineers of Japan (IEIEJ)
  o The Illuminating Engineering Institute of Japan (IEIJ)
  o Information Processing Society of Japan (IPSJ)
  o The Institute of Image Information and Television Engineers (ITE)

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans
- Technical Lecture Meetings
- Activities for students
  o Student Session on TSJC
  o Seminar for writing English paper
  o Student Awards
- Student Branch activities
- 2016 Tohoku-Section Joint Convention of Institute of Electrical and Engineers, Japan (TSJC)
- Promotion to elevation to Senior Member, Fellow
- Chapter activities
- Annual general meeting
- Administrative meetings
  o Section Board Meetings
  o Administrative Officers Meetings

D.2 Goals and Future Plans
- Planning for section unique activities by standing committees
- Organizing events for improving skill of members
- Encouragement students
- Promotion to develop Senior Member and Fellow
- Continuously support for chapters activities
- Be more useful for section members