

IEEE Japan Council Report For 2023

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PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List

<Council Officer>

Chair Yoshikazu MIYANAGA
Vice Chair Hidenobu HARASAKI
Secretary Haruhiko OKUMURA
Treasurer Kenichi HIGUCHI

<Section Representatives>

Fukuoka Section Chair Keiji IRAMINA
Hiroshima Section Chair Hiroji MASUDA
Kansai Section Chair Yoshinobu KAJIKAWA
Kansai Section Vice Chair Tetsuya INOUE
Nagoya Section Chair Jun SATO
Sapporo Section Chair Hajime IGARASHI
Sendai Section Chair Hirohito YAMADA
Shikoku Section Chair Yuicni TANJI
Shin-etsu Section Chair Takashi YUKAWA
Tokyo Section Chair Kiyoharu AIZAWA
Tokyo Section Vice Chair Yutaka SATA
Tokyo Section Ex-Com Member Aiko UEMURA
Tokyo Section Ex-Com Member Pauline N. KAWAMOTO

<Standing Committee Chairs>

Chapter Operations Committee Chair Seishi TAKAMURA
Student Activities Committee Chair Yusuke KOZAWA
Awards Committee Chair Kohtaro ASAI
Industry Promotion Committee Chair Hidenobu HARASAKI

<Additional Members appointed by the Council Committee>

Past Chair Takako HASHIMOTO
Past Secretary Masayuki SHIGEMATSU
Past Treasurer Fumiaki MAEHARA
History Committee Chair (ad hoc) Isao SHIRAKAWA
LRSC (ad hoc) Digh HISAMOTO
JC-ARC (ad hoc) Takatoshi MINAMI
Membership Development Coordinator Toshihiko HIROOKA
Young Professionals Coordinator Coordinator Jun SHIOMI
Life Members Coordinator Toshitaka TSUDA
Educational Activities Coordinator Yasuharu OHGOE
WIE Coordinator Michiko INOUE

<Ex-Officio>

2021 IEEE Past President

Toshio FUKUDA

2020 IEEE Technical Activities Vice President Kazuhiro KOSUGE
 IEEE Fellow Committee Member Akihiko SUGIYAMA
 MGA Industry Engagement Committee Member Mayumi SUZUKI
 IEEE Admission and Advancement (A&A) Committee Member Toshihiko SUGIE
 MGA Student Activities Committee member Mamiko INAMORI
 Region 10 Past Director Akinori NISHIHARA
 Region 10 R10 Director Elect Takako HASHIMOTO
 Region 10 Past Treasurer/ R10 Strategic 2023 IEEE Region 10 Zone Representative (North Asia)
 Seishi TAKAMURA
 Region 10 Vice-Chair of Technical Activities
 Takao ONOYE
 Region 10 Humanitarian Technology Activities Committee Chair Emi YANO

- Council Highlights

- Event:

- (1) Japan Council supported an annual big event “Metro Area Workshop (MAW) 2023” hosted by Shin-etsu Section and held in Nagano on November 25th (onsite), with more than 100 participants. This event aimed to promote the activities of the section with local industries. Five lectures were delivered by engineers in the local industries, which much attracted the attendees.

- <https://www.shinshu-u.ac.jp/institution/surcas/topics/2023/09/202311252023.php>

- (2) November 24th in 2023, JC YP, WIE, LM Coordinators and SAC, as a main steering leader, promoted Japan SYWL workshop. in Nagano which main theme was " SHIN ENGINEER ". with 64 participants .

- <https://www.ieee-jp.org/japancouncil/affinitygroup/SYWL2023/>

- (3) Japan Council 2nd ExCom meeting held in Nagoya Section had invited guest attendees from R10, Director Lance Fung and Past Director Deepak Mathur on July 15th with 41 attendees. IEEE Japan Council activities were presented and received some comments.

- Promotion:

- (1) In 2023 Japan Council intensively promoted educational activities mainly for online participants in the frame of “Engineer Spotlight”. Japan Council supported Japanese version of Engineer Spotlight four times in total in 2023.

- (2) Japan Council continued creating and presenting a memorial medal produced by Japan Mint, an Incorporated Administrative Agency which produces nationally official coins and medals, to new senior members in every section in Japan. This is expected to appeal to potential senior members and to be a motivation for retention of membership.

- (3) Japan Council presented the webinar for Fellow grade promotion on December 5th ,and December 18th 2023 with 34 and 32 attendees.

- https://iee-jp.org/kaiin/f_seido.html (Japanese only)

- (4) Japan Council ran a booth at several international conferences to promote various activities for members in Japan. The conference are as follows.

- ✧ INTERMAG 2023 <https://2023.intermag.org/>

- ✧ GCCE2023 <https://www.ieee-gcce.org/2023/>

- Management:

- Three 2023 Executive Council Meetings were held on March 18th, July 15th, and December 15th 2023, with 45, 41 and 42 participants, respectively. In addition, Japan Council approved 12 proposals through e-mail discussions for the sake of rapid sanction and execution.

- Major Events (International, National)

- IEEE Section Congress 2023 in Canada, which was held from August 11th to 13th. There were morethan 15 participants from Japan.

- Metro Area Workshop (MAW) 2023” hosted by Shin-etsu Section was held in Nagano on November 25th (onsite only), with more than 100 participants.

- <https://www.shinshu-u.ac.jp/institution/surcas/topics/2023/09/202311252023.php>

- Japan SYWL workshop " SHIN ENGINEER " was held in Nagano on November 24th with more than 60 on site participants.

- <https://www.ieee-jp.org/japancouncil/affinitygroup/SYWL2022/>

- Japan Council collaborated strongly in the activity for education with a series of Engineer Spotlight four times in total in Japan.
https://www.ieee-jp.org/japancouncil/affinitygroup/R10_Spotlight/
- SBLTW Workshop in Osaka was held on 30th June and 1st July with 66 participants.
https://www.ieee-jp.org/japancouncil/student/adm/report/2023SBLTW_Report.pdf
(Japanese only)
- Major Chapter Activities
JC COC held two meetings consisting of all the chapter chairs in Japan on May 31st and November 27th in hybrid with 85 and 77 participants respectively. There they discussed procedures of chapter operations, and effective ways of information sharing between chapters and with other IEEE OUs.
- Major Student and Affinity Group Activities
 - MANGA Project, which asks students to apply a rough plot of MANGA based on their research activities. In 2023, five Manga plots by students were applied and three of them were selected and awarded. Then, cartoonists tailored precise plots to create MANGA by the end of 2023.
<https://sites.google.com/ieee-jp.org/manga-project/english>
 - SBLTW Workshop in Osaka was held on 30th June and 1st July with 66 participants.
https://www.ieee-jp.org/japancouncil/student/adm/report/2023SBLTW_Report.pdf
(Japanese only)
 - JC YP Coordinator organized YP meet April 22nd in Nagoya and November 12nd in Himeji with 14 and 8 attendees respectively.
 - Annual Event “WIE 2023 “ was held at Aoyama Gakuin University and online on December 2nd, organized by Tokyo/Shin-etsu Joint Section WIE and supported by JC WIE Coordinator. The total number of participants was 101 including IEEE members.
- Awards
The Japan Council Awards Committee Executive Meeting was held in hybrid on November 14th, 2023 with 14 attendees.

Japan Council Award Recognition Committee (JC ARC) tried to encourage the contributors of the volunteers in Japan. There was one award recipient in 2023, JC ARC aims to continue their activities to increase the applicant and award recipients in the future.

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite)

IEEE
IEEE : Japn Council : Region 10 JPY
Profit and Loss
From Jan 2023 to Adjust 2023

Financial Row	Amount
Sales	
2.10 - Meetings & Social Events	¥122,000.00
3.20 - Region Receipts	¥146,146.00
3.30 - Sections or Councils	¥31,793,438.00
3.32 - Receipts from MGA Board, other Major Boards	¥312,000.00

3.40 - IEEE CB Account Interest	¥335,514.00
3.45 - Non-IEEE CB Account Interest	¥358.00
Total - Sales	¥32,709,456.00
Gross Profit	¥32,709,456.00
Overheads	
4.10 - Meetings & Social Events Expense	¥3,178,085.00
4.30 - Advertising IEEE (Expense)	¥968,654.00
4.80 - Student Activities Expense	¥3,162,813.00
4.90 - Other Program Expenses	¥3,714,371.00
5.10 - Occupancy Expense	¥2,546,933.00
5.20 - Travel Expense	¥39,230.00
5.30 - Salaries Expense	¥5,329,680.00
5.40 - Payroll Taxes Expense	¥68,064.00
5.50 - Support to Sections/Chapters Expense	¥8,122,083.00
5.60 - Other Management & General Expenses	¥6,247,655.00
Total - Overheads	¥33,377,568.00
Operating Profit	-¥668,112.00
Net Profit(Loss)	-¥668,112.00

- Any other financial activities
Budget management was reinforced by monthly monitoring of executed activities of each committee and AG.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Year	H Total	F Total	SM Total	M Total	AM Total	GSM Total	StM Total	Grand Total
2023	3	451	1,199	10,196	262	1,694	488	14,293
2022	3	470	1,170	10,072	233	1,463	434	13,845
2021	3	475	1,147	10,123	244	1,358	403	13,753

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members:
 - Two JC MD Meetings were held on July 13th and November 29th to share information of each section MD with 9 and 11 participants respectively.
 - JC MDC co-sponsored the online webinar to promote and support the Senior member application, held on September 7th with 47 participants.
 - A questionnaire was conducted to New Senior Members who received a memorial medal for the elevation to Senior Member and result in the memorial medal is effective to motivate to elevate to the Senior Member.
 - Advisory scheme for elevation to Fellow is implemented.
 - As a step to make IEEE more recognized in many events all over Japan, MD Coordinator had kept collaboration with chapters since 2019 to secure time slots for introduction of IEEE activities in the session of events and to install booths of IEEE promotion for distributing PR materials (MD kit) on the sites of the events. Japan Council ran a booth at following two international conferences to promote various activities for members in Japan.

- ◇ INTERMAG 2023 <https://2023.intermag.org/>
- ◇ GCCE2023 <https://www.ieee-gcce.org/2023/>

B.2 Chapter Activities

- Total number of Chapters in the Council:
Chapters under Japan Council had been moved to the sections. Total number of Chapters in the 9 Sections in Japan is 71.
- Number of Chapters formed in the current year is zero.
- Number of active Chapters (Chapters who have reported required number of meetings during the year) is more than 60.
- Summary of Chapter activities (Chapter wise with attachment table/information)
- Japan Council Chapter Operation Committee Meetings were held on May 31st and November 27th in hybrid with 85 and 77 participants respectively for all Chapters belonging to Sections in Japan Support policy, management manual, guideline for chapter awards were updated, and information was shared about a newly developed automated system for applying for events.
- Chapter awards and supports from Japan Council have been confirmed.

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

- In 2023 Japan Council intensively promoted educational activities mainly for online participants in the frame of “Engineer Spotlight”, new events proposed by R10. Japan Council supported Japanese version of Engineer Spotlight four times in total in 2023.
- The 31st Engineer Spotlight ” Practical use of autonomous voice recognition robot” was held on May 9th with 115 attendees.
- The 32nd Engineer Spotlight” IEEE Humanitarian Activities Workshop in Japan 2023 ”was held on August 5th in a hybrid format (on-site and webinar) with 72 participants.
- The 33nd Engineer Spotlight” The significance of an active rock guitarist obtaining a doctoral degree” was held on August 25th with 180 attendees.
- The 34th Engineer Spotlight “ Themes related to behavioral analysis of tourists etc.” was held on August 29th in a hybrid format (on-site and webinar) with 113 attendees.
- JC EA organized with SIGHT Tokyo and JC SAC “Career Navigator” with JC EA in Mutsu dai 2 Tanabu primary school. EA Coordinator participated in it as one of the navigator to talk about their specialized field and experience to give some opportunities to think about the future career for primary school students.
- Meeting with EA Chairs of each section were held on March 29th, July 7th and December7th to exchange information.

B.4 Students Activities

- Total number of Student Branches in the Section
- IEEE Student Branches have been established in 33 universities and 2 Sections in Japan (as of December 2023) and counselors assisted student activities in their branches.
- Number of Student Branches formed in the current year is one.
- Council level student activities (student congress, paper and other contests, awards etc)

- Japan Council supported a delegate from Student Branches in Japan to attend MAW and SYWL Japan 2023 in Nagano, on November 24th–25th, 2023.
- For inspiring student activities, five plots for MANGA Project were applied and three of them were selected and awarded. Then, cartoonists have joined this project and are tailoring precise plots to create MANGA by the end of 2023.
<https://sites.google.com/ieee-jp.org/manga-project/english>
- SBLTW Workshop in Osaka was held on 30th June and 1st July with 66 participants.
https://www.ieee-jp.org/japancouncil/student/adm/report/2023SBLTW_Report.pdf
(Japanese only)
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year) is more than 18.
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
- The Student Branches in Japan actively organized and held events in 2023. i.e. 24 study sessions and workshops, four membership development activities in their University events, and Research Presentation Encouragement Workshop.

B.5 Affinity Group Activities

- Young Professional (YP)
 - JC YP Coordinator organized YP meet April 22nd in Nagoya and November 12nd in Himeji with 14 and 8 attendees respectively.
 - Japan Council supported six YP engineers financially to participate in MAW and SYWL Japan 2023 at Shinshu University, on November 24th – 25th, 2023.
- Women In Engineering (WIE)
 - Annual Event “WIE 2023 “ was held at Aoyama Gakuin University and online on December 2nd, organized by Tokyo/Shin-etsu Joint Section WIE and supported by JC WIE Coordinator. The total number of participants was 101 including IEEE members.
 - Japan Council supported delegates of WIE members in Japan to attend the MAW and SYWL Japan 2023 at Shinshu University, on November 24th – 25th, 2023.
 - JC WIE Supported “WIE Award” in MANGA Project 2023.
- Life Member (LM)
 - LMAG Coordinator supported life member activities in collaboration with section LMAGs.

B.6 Awards & Recognition Activities

- Award constituted by the Council
 - The Executive Meeting of Japan Council Awards Committee was held in hybrid on November 14th, 2023. Latest status and policy for nominations were discussed. Candidate nominations for various awards and fellows are encouraged.
- Awards and Recognitions received by the Council, and members in the Section, from R 10 and IEEE HQ during the year are listed below.
 - [IEEE Technical Field Awards] IEEE Masaru Ibuka Consumer Technology Award
“For leadership in creating open and free operating systems for embedded computers used in consumer electronics.”
Ken SAKAMURA (Toyo University)

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

- Newsletter (name and number of issues in the year)

- Home Page of the Section (give the URL and how often it is updated)
- Home Page of Japan Council has been updated. Information such as meeting/event schedule, award information, membership renewal promotion, chapter activity, annual election, and important management procedures have been updated.
<https://iee-jp.org/en/>
- Other means of contacts with Section members including social media
- E-mail is also used among the executive committee members to share information from IEEE headquarters or Region 10, to have supplementary discussion on the plans or activities, to move and adopt resolutions between executive committee meetings to expedite the activities, and so on. Japan Council, as well, communicated with council members through e-mail mainly for announcement of events using eNotice.
- JC Twitter and Instagram were implemented to share information to young members and non-member of IEEE widely.
<https://twitter.com/jcsnieeejpor1>
https://www.instagram.com/iee_jc_official/

B.8 Industry Relations

To promote the relationship with IEEE and industry in Japan, Industry Promotion Committee meetings were held on February 10th, June 9th and November 10th, 2023 (hybrid).

- Activities for/with industrial members
 - Metro Area Workshop (MAW) 2023” hosted by Shin-etsu Section was held in Nagano on November 25th (onsite only), with more than 100 participants.
<https://www.shinshu-u.ac.jp/institution/surcas/topics/2023/09/202311252023.php>
 - Japan SYWL workshop " SHIN ENGINEER " was held in Nagano on November 24th with more than 60 on site participants.
<https://www.ieee-jp.org/japanCouncil/affinitygroup/SYWL2022/>
 - The IEEE AESS Distinguished Lecturer hosted by JC-IPC and co-sponsored by Tokyo branch LMAG, TPC, and AOC (Association of Old Crows Society of Electronic Warfare Japan Branch) was held on April 19, 2023 (Wednesday) at Kikai Shinko Kaikan. Ta. 33 face-to-face and 61 online participants participated. The speaker was Dr. Karen Haigh, and the title of the lecture was "Cognitive RF Systems: Using AI to Solve Complex Problems."

B.9 Humanitarian Technology Activities

- The First Toko Section SIGHT Workshop “The IEEE Humanitarian Activities Workshop in Japan 2023” was held on Saturday, August 5, 2023 in a hybrid format (on-site and webinar) with 72 participants.
- Tokyo SIGHT also co-organized “Career Navigator” with JC EA in Mutsu dai 2 Tanabu primary school. A member of Tokyo SIGHT participated in it as one of the navigator to talk about their specialized field and experience to give some opportunities to think about the future career for primary school students.
- Tokyo SIGHT Chair Dr.Nishimiya participated HTC2023 at Marwadi University (Rajkot, India) on October 15-18.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
None

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
- Funding secured from the IEEE and external sources including sponsorships

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Japan Council supported the cooperation agreements between IEEE and 5 national academic societies.
https://www.ieee.org/about/corporate/agreements/national_society.html
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- IPSJ and SICE provide discount

C.3 Collaboration with other IEEE Sections

- Japan Council supported more than 50 from SAC/YP/ LMAG/WIE members to participate in the MAW 2023 & SYWL in Nagano and SBLTW in Osaka.
- Japan Council supported Section's anniversary events held in 2023.

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

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

For online communication, JC keeps "Zoom" license for JC, section and committee events and meetings.

- Continuing from 2020, Japan Council decided to keep ordering the memorial medal created by Japan Mint, an Incorporated Administrative Agency which produces nationally official coins and medals. The medals were presented to new senior members in every section in Japan. This is expected to appeal to potential senior members and to be a motivation for retention of membership.
- Japan Council prepared some novelties for promoting technical activities. They can be used as a reward to lecturers, supporting members, collaborating guests, and so on to present IEEE Japan Council's gratitude and an appeal of its activities.

C.6 Problems anticipated and suggestions for solutions, if any

- Due to COVID-19, the conventional method to hold events needed to change. In 2023 online or onsite-online hybrid types of events became common and there were more participants in many cases. However, some problems are still to be solved such as deep interaction, sub-group discussion, direct experience on demonstration, and onsite tours. Establishing common VR platform

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- Japan Council discussed long range strategies for sustainable growth and future plans, in particular, in the Long Range Strategic Committee who had meetings three times: February 9th, June 2nd, and November 10th. The major topics in 2023 were the growth of higher grade members Fellow and Senior Member, long term financial stability and sustainable growth with taking into account the currency exchange rate and membership, promotion for International IEEE conference, advanced education and whole operations in the new normal era.
- Japan Council continues to work by forming a steering group consisting of YP, WIE, SAC, LMAG and Secretary to support sustainable activities of “Japan SYWL workshop”.

D.2 Goals and Future Plans

- To ensure the sustainable growth and financial stability considering exchange rate and membership
- Membership recruitment and retention
- To increase the relationship with IEEE and industry members, and to provide benefit for industry members as well as academic members
- To increase management efficiency and effectiveness
- To enhance collaboration:
 - Regional communities and other non-IEEE societies
 - Other IEEE sections (joint activities with neighboring sections)

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- It is known that increasing fellow and senior grade members is effective for membership retention. For that purpose, it would be necessary that their qualifications be even more respected and attractive. IEEE may need to add valuable privileges to those members in extensive scenes of IEEE activities, e.g. IEEE invites more fellows/seniors to major IEEE conferences/events, or IEEE takes measures to make their presence higher to public, local/global communities, government and so on.
- For the retention and recruitment of industries, it may be effective to make more benefits to those organizations with a certain number of members, e.g. price discount for those in IEEE events.
- Point accumulation system for voluntary work or participation in IEEE activities may be useful for membership retention.
- It would be effective to make tighter relationship with industries to make rankings of the organizations open to public every year according to their contributions to IEEE, e. g. number of members, number of participants to IEEE events, special support to activities, and so on, in addition to presenting awards to them.

D.4 Business Plan for Sustainable Growth and Financial Stability.

- Selling tools and data for research use may be another source of income. They may be made by IEEE or provided by IEEE members. For example, AI models of proposed technologies and bigdata for public use are really valuable for many researchers as benchmark resources.
- Returning more portion of membership fee to local organizations (councils/sections) is very effective to enhance their activities. Particularly office management only by volunteers or few employees is very tough work for councils or sections with a large number of members.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

D.4 Business Plan for Sustainable Growth and Financial Stability.