

# IEEE Japan Council Report For 2021

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## PART A - COUNCIL SUMMARY

### A.1 Executive Summary

#### ● Executive Committee Member List

##### <Council Officer>

Chair

Takako HASHIMOTO

Vice Chair

Seishi TAKAMURA

Secretary

Masayuki SHIGEMATSU

Treasurer

Fumiaki MAEHARA

##### <Section Representatives>

Fukuoka Section Chair

Masahito SHOYAMA

Hiroshima Section Chair

Kazuhiro UEHARA

Kansai Section Chair

Yutaka HATA

Kansai Section Vice Chair

Shinichi MATSUI

Nagoya Section Chair

Masaaki KATAYAMA

Sapporo Section Chair

Miki HASEYAMA

Sendai Section Chair

Motoyuki SATO

Shikoku Section Chair

Tetsushi UETA

Shin-etsu Section Chair

Toshiro SATO

Tokyo Section Chair

Yoshiaki NAKANO

Tokyo Section Vice Chair

Masahiro KOBAYASHI

Tokyo Section Ex-Com Member

Prakash CHAKI

Tokyo Section Ex-Com Member

Mamiko INAMORI

##### <Standing Committee Chairs>

Chapter Operations Committee Chair

Noriharu SUEMATSU

Student Activities Committee Chair

Kohei OHNO

Awards Committee Chair

Hideo KUWAHARA

Industry Promotion Committee Chair

Haruko KAWAHIGASHI

##### <Additional Members appointed by the Council Committee>

Past Chair

Takao ONOYE

Past Secretary

Yasuhiro TAKISHIMA

Past Treasurer

Hiromasa HABUCHI

History Committee Chair (ad hoc)

Isao SHIRAKAWA

LRSC (ad hoc)

Haruhiko OKUMURA

Membership Development Coordinator

Takashi SATO

Young Professionals Coordinator

Takefumi YAMADA

Life Members Coordinator  
Educational Activities Coordinator  
WIE Coordinator

Tadashi TAKANO  
Mayumi SUZUKI  
Natsuko NODA

**<Ex-Officio>**

2021 IEEE Past President	Toshio FUKUDA
2020 IEEE Technical Activities Vice President	Kazuhiro KOSUGE
MGA Awards and Recognition Committee Past Chair	Takatoshi MINAMI
2019 IEEE Life Member Committee	Tomonori AOYAMA
Region 10 Past Director/Nomination and Advisory Committee Chair	Akinori NISHIHARA
Region 10 Past Secretary	Takako HASHIMOTO
Region 10 Past Treasurer/ R10 Strategic Planning & New Initiative Committee Chair	Seishi TAKAMURA
Region 10 Conference & Technical Seminar Committee Chair	Takao ONOYE
Region 10 Women In Engineering Committee Chair	Emi YANO
Region 10 Young Professionals Committee Chair	Takuo SUZUKI

● Council Highlights

• Event:

- (1) Japan Council supported an annual big event “Metro Area Workshop (MAW) 2021” hosted by Sapporo Section and held in Sapporo on October 30<sup>th</sup> (onsite/online hybrid), which gathered 106 attendees. 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://sites.google.com/view/ieee-maw-2021>

- (2) October 31<sup>st</sup> in 2021, JC YP Coordinator, as a main steering leader, promoted Japan SYWL workshop as group discussions under onsite/online hybrid environment, of which main theme was " ENGINEERS, BE AMBITIOUS! ". The attendees discussed their experiences and plans for the future in 8 groups and 58 attendees in total.

<https://www.ieee-jp.org/japancouncil/affinitygroup/SYWL2021/>

• Promotion:

- (1) In 2021 Japan Council intensively promoted educational activities mainly for online participants in the frame of “Engineer Spotlight”. Japan Council supported Japanese version of Engineer Spotlight 12 times in total in 2021.
- (2) Japan Council continued to create and offer 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 1<sup>st</sup> webinar for Fellow grade promotion on October 7<sup>th</sup>,2021 with 110 attendees. The 2<sup>nd</sup> webinar will be held on December 9<sup>th</sup> ,2021.

[https://www.ieee-jp.org/japancouncil/adm/info/Fellow\\_flyer.pdf](https://www.ieee-jp.org/japancouncil/adm/info/Fellow_flyer.pdf)

[https://www.ieee-jp.org/japancouncil/adm/info/Fellow\\_flyer2.pdf](https://www.ieee-jp.org/japancouncil/adm/info/Fellow_flyer2.pdf)

(Japanese only)

- (4) Japan Council ran a booth at the international conference GCCE2021 to promote various activities for members in Japan.

<http://www.ieee-gcce.org/2021/index.html> (Japanese only)

- Management:

- (1) Japan Council Executive Committee Meetings of 2021 were held 3 times, March 15<sup>th</sup>, July 16<sup>th</sup>, December 17<sup>th</sup>, by online or onsite/online-hybrid. In addition, Japan Council approved 16 proposals through e-mail discussions for the sake of rapid sanction and execution.
- (2) Due to COVID-19 many of onsite events were not executable which could make the transition of finance sluggish and increase surplus. However, Japan Council changed its policy of activities in the middle of the year onto the focus of MD/public relations, increase of high grade members, IT platforms for operations and so on, which kept the financial activities positive and this investment is expected to be profitable also in the coming years.

- Major Events (International, National)

- Japan Council supported MAW 2021 hosted by Sapporo Section, which was held on October 30<sup>th</sup> with 106 participants on site or online.  
<https://sites.google.com/view/ieee-maw-2021>
- Japan SYWL Workshop was held in Sapporo on October 31<sup>st</sup> for group discussions under a main theme “ENGINEERS, BE AMBITIOUS!”, which was attended by 58 members on site or online.  
<https://ieee-jp.org/japancouncil/affinitygroup/SYWL2021/index.html>
- Japan Council collaborated strongly in the activity for education with a series of Engineer Spotlight 12 times in total in Japan.  
[https://www.ieee-jp.org/japancouncil/affinitygroup/R10\\_Spotlight/](https://www.ieee-jp.org/japancouncil/affinitygroup/R10_Spotlight/)

- Major Chapter Activities

- JC COC held two meetings with more than 70 participants for each consisting of all the chapter chairs in Japan on June 18<sup>th</sup> and November 10<sup>th</sup>. 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

- Japan Council SAC held Student Branch Leadership Training Workshop (SBLTW) online on June 4<sup>th</sup>. This is an annual meeting of presentation and interaction among SB students from all areas of Japan, which gathered more than 70 attendees. As a trial, “Industry Collaboration Session” was newly set up in this workshop for introducing the internship from three companies.
- For inspiring student activities, in the SBLTW, MANGA Project was also announced, which asks students to apply a rough plot of MANGA based on their research activities. By the end of this September, seven plots were applied and three of them was selected and awarded. Then, cartoonists have joined this project and are tailoring precise plots to create MANGA by the end of this year.

- JC YP Coordinator arranged “Sections YP Chair Meeting” online on July 24<sup>th</sup>, where topics were discussed such as effective ways of activities under COVID-19.
- In IEEE Engineer Spotlight lecturers from YP presented on web . July 24<sup>th</sup>, 2021, 52 attendees.
- Japan Council support a YP engineer to participate in MAW and SYWL Japan 2021 at Sapporo, on October 30<sup>th</sup> – 31<sup>st</sup>, 2021.
- JC WIE Coordinator supported all the section’s WIE in Japan after establishment of WIE in every section in Japan by 2021.
- All Sections WIE chair meeting held on May 7th, 2021 . Discuss about the current condition and future policy of WIE activities in Japan.
- Annual Event “WIE 2021” will be held online on 6th November.  
<https://ieee-jp.org/section/tokyo/about/wie/activity/event-2021.html> (Japanese only)
- All WIEs in Japan supported IEEE Engineer Spotlight lecturer “Continuing to University and gender” on web . June 26<sup>th</sup>, 2021, 60 attendees.  
<https://www.ieee-jp.org/japancouncil/EA/EngineerSpotlight/> (Japanese only)
- Awards
  - Chair of JC History Committee I. Shirakawa was awarded 2021 R10 Outstanding Volunteer Award. It was celebrated in the Executive Meeting of History Committee held on September 3<sup>rd</sup>, 2021.

## A.2 Financial Report

- Summary (as per submitted on NextGEN )
  - During 2021, there is still some impact delivered by COVID-19. Many of events were not executable on site which could make the transition of finance sluggish and increase surplus. Japan Council continued to promote the activities for MD/public relations, increase of high grade members, IT platforms for operations and so on, which has kept the financial activities positive and this investment is expected to be profitable also in the coming years.

**IEEE**  
**IEEE : Region 10 : Region 10 JPY**  
**Profit and Loss**  
**From Jan 2021 to Adjust 2021**

Financial Row	Amount
<b>Sales</b>	
3.20 - Region Receipts	¥300,539.00

3.30 - Sections or Councils	¥25,378,287.00
3.32 - Receipts from MGA Board, other Major Boards	¥202,000.00
3.40 - IEEE CB Account Interest	¥5,465.00
3.45 - Non-IEEE CB Account Interest	¥468.00
<b>Total - Sales</b>	<b>¥25,886,759.00</b>
<b>Gross Profit</b>	<b>¥25,886,759.00</b>
<b>Overheads</b>	
4.10 - Meetings & Social Events Expense	¥1, 727,166.00
4.30 - Advertising IEEE(Expense)	¥45,091.00
4.80 - Student Activities Expense	¥834,460.00
4.90 - Other Program Expenses	¥1,105,177.00
5.10 - Occupancy Expense	¥2,495,769.00
5.20 - Travel Expense	¥14,790.00
5.30 - Salaries Expense	¥4,789,378.00
5.40 - Payroll Taxes Expense	¥44,480.00
5.50 - Support to Sections/Chapters Expense	¥6,203,184.00
5.60 - Other Management & General Expenses	¥5,558,513.00
<b>Total - Overheads</b>	<b>¥25,516,470.00</b>
<b>Operating Profit</b>	<b>¥370,289.00</b>
<b>Net Profit/(Loss)</b>	<b>¥370,289.00</b>

- Any other financial activities
  - Budget management was reinforced by monthly monitoring of executed activities of each committee and AG. Total budget was revised in July, which enabled to promote more activities in later year.

## **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
2021	3	475	1,147	10,123	244	1358	403	13,753
2020	3	481	1,108	10,177	324	1,388	317	13,798
2019	3	489	1,050	10,385	336	1,597	372	14,232

- Membership Development coordinator analyzed the membership data and made a summary with effecting evidence to improve the value of membership, which leads to retention and growth of members.
  - JC-MD coordinator organized JC-WebEx two meetings (May 28<sup>th</sup> and November 11<sup>th</sup>) to understand current issues and best practices in all Japan's sections.
  - Based on the statistical data of membership, the meeting members analyzed factors of increase and decrease of the members and discussed possible countermeasures in the meeting.

- The website of each Section in Japan has been renewed for recruitment, retention and membership upgrade. Email announcement has also been sent for promotion.
- As a step to make IEEE more recognized in many events all over Japan, MD Coordinator had kept collaboration with chapters and Japan Office 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 the international conference GCCE2021 to promote various activities for members in Japan.  
<http://www.ieee-gcce.org/2021/index.html> (Japanese only)

## **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.
- Numbers of Chapters formed in the current year is 1 (Kansai and Nagoya Jt Section Chapter,PSE43).
- Numbers of Active Chapters (Chapters who have reported required number of meetings during the year) is 71.
- Summary of Chapters activities:
  - Total number of events such as technical meetings held by Chapters in Japan is over 330.
  - Japan Council Chapter Operation Committee Meetings were held on June 18<sup>th</sup> and November 10<sup>th</sup> 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
  - In 2021 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 12 times in total in 2021.
- Major Events/Activities (instead of table):
  - Engineer Spotlight -Japan-  
IEEE Engineer Spotlight lecture series held almost every month in 2021.
    - 1.The 11th held on 18th February,2021  
Title: "I don't know my future dreams" - let's get rid of anxiety and create the future!  
with 71 attendees.
    - 2.The 12th held on 8th March, 2021  
Title: Happy Days in the World Title: "I don't know my future dreams" - let's get rid of anxiety and create the future! with 61 attendees.

3.The 13th held on 17th April, 2021

Title: Robots, the World, and Me —the Secret Stories of the IEEE President— create the future! with 187 attendees.

4.The 14th held on 20th May, 2021

Title:” International standards create new technologies —A place for young engineers to play an active role on the cutting edge and globally—” with 110attendees

5.The 15th held on 18th June 2021

Title: “Significance of starting a business as a researcher—From the perspective of building a balance sheet to continue research—” with 50attendees

6.The 16th held on 26th June 2021

Title:” Continuing to University and gender” with 60attendees

7.The 17th held on 24th July 2021 with 52attendees

Title: Move! Glow! Sound! Give shape to your ideas! with 53 attendees

8.The 18th held on 7th September 2021

Title: Past, Current, and Future Stories of Autonomous Driving and Mobility Services (MaaS) —Expected Future Unmanned Autonomous Driving Services and MaaS for Local Public Transport— with 146 attendees

9.The 19th held on 7th September 2021

Title: Manga and Globalization, Challenges of Digitalization,— with 64 attendees

10.The 20th held on 5th October, 2021 with 52attendees

Title: Kansei Information Sencing Based on Face Images — with 100attendees

11.The 21th held on 24th November, 2021

Title: Development and Future of Semiconductor Memory Industry  
— with 160 attendees

12.The 22th held on 22th December, 2021

Title: Global Human Resources - Five things you should do as a student  
— with 43 attendees

- 1st Meeting with section EA chairs was held on22th February,2021.
- Four meetings with IEEE EA held on 14th April ,12th May ,9th June,14th July on post edit of Machine translation.
- Support the meeting of Tokyo Section EA meeting, held on 1st June,2021.

#### **B.4 Students Activities**

- Total numbers of Student Branches in Japan Council:  
IEEE Student Branches have been established in 32 universities and 2 Sections in Japan (as of December 2021) and counselors assisted student activities in their branches.
- Numbers of Student Branches formed in the current year:  
No new student branch was established in 2021.

- Council level student activities (student congress, paper and other contests, awards, etc.):
  - On June 4<sup>th</sup>, Japan Council had an administrative web meeting by Student Activities Committee chairs of the sections in Japan to share the situations and best practices and to discuss the solutions for current problems. JC SAC (Student Activity Committee) also continues to support establishment of new Student Branches and their overall activities technically and financially.
  - Japan Council supported a delegate from Student Branches in Japan to attend MAW and SYWL Japan 2021 at Sapporo, on October 30<sup>th</sup> – 31<sup>th</sup>, 2021.
  - For inspiring student activities, in the SBLTW, MANGA Project was also announced, which asks students to apply a rough plot of MANGA based on their research activities. By the end of this September, seven plots were applied and three of them was selected and awarded. Then, cartoonists have joined this project and are tailoring precise plots to create MANGA by the end of this year.
  
- Numbers of active Student Branches (Student Branches who have reported required number of meetings during the year) is more than 21.

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

- Young Professional (YP) Coordinator
  - Japan Council YP tried to support for establishing new YP in Shikoku and Hiroshima and Fukuoka Section in 2021.
  - In the frame of IEEE Engineering Spotlight Japan, lecturers from YP presented on web twice: June 24<sup>th</sup>, 2021 with 52 attendees and December 22<sup>th</sup>, 2021 with 43 attendees.
  - Sections YP Chair Meeting was held online on July 24<sup>th</sup>, 2021.
  - Japan Council supported a YP engineer to participate in MAW and SYWL Japan 2021 at Sapporo, on October 30<sup>th</sup> – 31<sup>th</sup>, 2021.
  
- Women In Engineering (WIE)
  - Annual Event “WIE 2021” was held online on 6<sup>th</sup> November 2021.  
<https://ieee-jp.org/section/tokyo/about/wie/activity/event-2021.html> (Japanese only)
  - All WIEs in Japan supported IEEE Engineer Spotlight lecturer “Continuing to University and gender” on web . June 26<sup>th</sup>, 2021, 60 attendees.  
<https://www.ieee-jp.org/japancouncil/EA/EngineerSpotlight/> (Japanese only)
  - Japan Council supported delegates of WIE members in Japan to attend the MAW and SYWL Japan on October 30<sup>th</sup> – 31<sup>th</sup>, 2021.
  
- LMAG Coordinator
  - LMAG Coordinator supported life member activities in collaboration with section LMAGs.

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

- Awards Committee Meeting was held on October 22<sup>th</sup>, 2021. Latest status and policy for nominations were discussed. Candidate nominations for various awards and



fellows are encouraged. And it was confirmed that members in Japan received two IEEE Technical Field Awards 2021 (IEEE CONTROL SYSTEMS AWARD and IEEE ANDREW S. GROVE AWARD) and an IEEE medal (IEEE EDISON MEDAL)2021.

- Chair of JC History Committee I. Shirakawa was awarded 2021 R10 Outstanding Volunteer Award. It was celebrated in the Executive Meeting of History Committee held on September 3rd, 2021.
- History Committee Meeting was held on September 3<sup>rd</sup>, 2021 online (Zoom) with 14 attendees, where status and know-how of preparation for IEEE Milestone was shared among 9 sections in Japan.

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

- 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://ieec-jp.org/en/>
- 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.

### **B.8 Industry Relations**

- To promote the relationship with IEEE and industry in Japan, Industry Promotion Committee meetings were held on February 15<sup>th</sup>, June 14<sup>th</sup> and November 12<sup>th</sup>, 2021 (online).
- Japan Council supported an annual big event “Metro Area Workshop (MAW) 2021” held in Sapporo on October 30<sup>th</sup> (onsite/online hybrid), which gathered 106 attendees. 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://sites.google.com/view/ieec-maw-2021>
- Japan Council IPC (Industry Promotion Committee) had discussions with IEC (Industry Engagement Committee) on October 15<sup>th</sup>, 2021

### **B.9 Humanitarian Technology Activities**

- Japan Council has supported every year the activity of Tokyo Section SIGHT. However in 2021 it was unable to delegate IEEE engineers to provide a lecture for elementary school children due to COVID-19.

### **B.10 Community Activities**

- Japan Council supported the event IEEE Day celebration. Total 61 attendees, October 5<sup>th</sup>, 2021. JC EAC held the event at zoom after Japanese Live webinar series "The 19th Engineer Spotlight".

## **PART C – OTHERS**

### **C.1 Special Events**

- IEEE DAY CELEBRATION Event (online Zoom)

- Japan Council supported the event IEEE Day celebration. Total 61 attendees, October 5th, 2021. JC EAC held the event at zoom after Japanese Live webinar series "The 19th Engineer Spotlight". The participants of Engineer Spotlight were from elementary school students to after retirement person including non-IEEE members. The event was aimed to make IEEE widely known to the participants of Engineer Spotlight and celebrate with IEEE volunteers.

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

- Japan Council supported the cooperation agreements between IEEE and 4 national academic societies and plans to make re-cooperation between IEEE and 5 other national academic societies.  
<https://www.ieee.org/about/corporate/agreements/regional.html>
- agreement: IEICE, IPSJ, SICE, IEEJ
- planning to make agreement: IEIJ, ITE, JSAP, JSSPRM, MSJ,

## **C3. Collaboration with other IEEE Sections**

- Japan Council supported 40 of SAC/YP/ LMAG/WIE members to participate in the 2021 MAW and SYWL Japan held in Sapporo Section on October 30<sup>th</sup> through October 31<sup>th</sup> (Hybrid) and to interact with members from other sections in Japan.

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

- Japan Council, COC, supported activities and management of the chapters in sections that are transferred from Japan Council in 2014.
- Japan Council summarized chapter operation guide 2018 compliant with IEEE operation manual for JC-COC members, which includes conference application, procedure for concluding MOU, TCS Fee etc. in Japanese. And Japan Council updated the procedure guideline for MOU of TCS and FCS in 2021.
- Japan Council took the lead to establish prompt procedures for event application from chapters by making use of a new IT system for automatic workflow, which began to work in November 2020. This new mechanism is used successfully in 2021 to curtail the needed time for format verification and to alleviate heavy clerical burdens.

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

<Communication for operations>

- Japan Council placed emphasis on collaboration among committees and other organizations. For example, Long Range Strategic Committee invites Chapter Operations Committee (COC) chair in its regular meeting, Industry Promotion Committee invites Membership Development Coordinator in its regular meeting, COC invites Japan Office delegate in its meeting, and so on, while ad hoc meetings were held with relevant organizations when in necessary.

<IT Environment>

- Japan Council started to utilize a new office tool "Garoon" in 2019 for the sake of information sharing, communication promotion, expediting discussion and decision, optimization of office work effort, and so on among the members of the executive

committee. In 2021 Japan Council extended its use to more of committees and chapters by distributing ID account.

- For online communication, Japan Council started to use “Zoom” from May 2020 and it was used in 2021 more than 40 meetings and webinar with almost 2000 attendees.
- Japan Council took the lead to establish prompt procedures for event application from chapters by making use of a new IT system for automatic workflow, which began to work in November 2020. This new mechanism keep successfully used in 2021to curtail the needed time for format verification and to alleviate heavy clerical burdens.
- Japan Council provide the service for using web server to the sections and other OU in Japan. To improve the response speed issue on web server, Japan Council investigate the problem and situation carefully and took an appropriate action for that.

<Administrative Works>

- Budget management was reinforced by monthly monitoring of executed activities of each committee and AG. Total budget was revised in July, which enabled to shift the activity focus from onsite events to IT system improvement and public relations activities.
- Workflow guidelines of conference sponsorship and email announcement were revised for simplification and handling of increased online event announcements respectively.

<Public Relations and Action for Members>

- Japan Council (by MD Coordinator and IPC) created handouts and video materials which introduce how IEEE members make use of IEEE activities in their daily studies or works in 2020. The materials continued to be used in 2021.
- Japan Council decided to keep using the memorial medal created in 2020. 120 medals will be ordered to 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.
- 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**

- Reporting, communication and decision-making is still to be improved for smooth activities, perhaps by system automation, procedure optimization, modifying role assignment, and so on.
- Due to COVID-19, the conventional method to hold events needs to change. In 2021 online or onsite/online-hybrid types of events were tried 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 which enables us to pseudo-experience the meeting and tours may be one solution.

## **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 28<sup>th</sup>, June 14<sup>nd</sup>, and November 12<sup>th</sup>. The major topics in 2021 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, new projects leading to section's activities, acceleration of procedures for improvement by introducing IT systems, management of executive committee, and whole operations in the new normal era.
- In the activities for Long Range Strategic Committee, Japan Council Senior Member web site was renewed to provide the latest and useful information for members in Japan Council. The web site for Fellow information will also planned to be updated soon in 2022.  
[https://ieee-jp.org/kaiin/seniormember\\_requirements.html](https://ieee-jp.org/kaiin/seniormember_requirements.html) (Japanese only)  
[https://ieee-jp.org/kaiin/f\\_seido.html](https://ieee-jp.org/kaiin/f_seido.html) (Japanese only)
- 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.

## Photograph

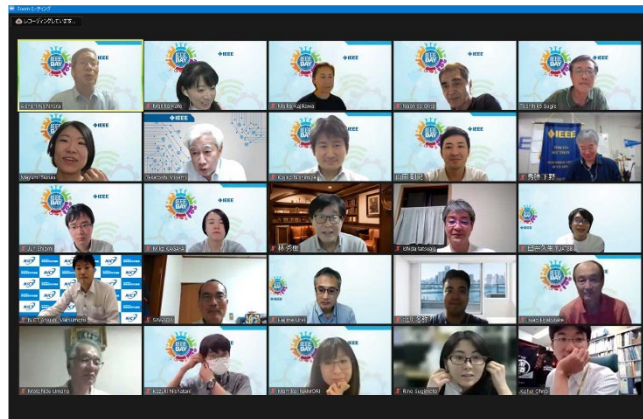


Photo 1. IEEE DAY Event on October 5<sup>th</sup>



Photo 2. MAW2021 in Sapporo on October 30<sup>th</sup>



Photo 3. Japan SYWL Workshop in Sapporo on October 31<sup>st</sup>  
(Onsite/Online-Hybrid Workshop with keeping “Social Distance” onsite)