

2021 IEEE Seoul Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary

- **List of Seoul Section Executive Committee Members**

Position	Name	Affiliation
Chair	Cheon Won Choi	Dankook University
Vice-chair	JeongYon Shim	Kangnam University
Secretary	Seokhyun Yoon	Dankook University
Treasurer	Jeong Woo Lee	Chung-Ang University
Awards and Recognition Committee Chair	Byung Gook Park	Seoul National University
Chapter Coordination Committee Chair	Jae-Hyun Kim	Ajou University
Educational Activities Committee Chair	Myounggon Kang	Korea National University of Transportation
Fellow Candidate Discovery Committee Chair	Inkyu Lee	Korea University
Higher Member Promotion Committee Chair	Jong Chang Yi	Hongik University
History Committee Chair	Dae Gwon Jeong	Korea Aerospace University
Information Management Committee Chair	Sang-Hun Song	Chung-Ang University
Membership Development Committee Chair	Jinyoung Hwang	Korea Aerospace University
Nomination Committee Chair	Chaewoo Lee	Ajou University
Professional Activities Committee Chair	Sangmi Lee	IITP
Strategic Planning Committee Chair	Hyun-Chang Park	Dongguk University
Student Activities Committee Chair	Seongjae Cho	Gachon University
Student Branch Coordination Committee Chair	Hongil Yoon	Yonsei University
Technical Activities Committee Chair	Hoon Kim	Incheon National University
Volunteer Recognition Committee Chair	Oh-Soon Shin	Soongsil University
Mentor	Kukjin Chun	Seoul National University
Senior Mentor	Kyun Hyon Tchah	Korea University
Life Members Affinity Group Chair	Hyuck-Jae Lee	KAIST
Women in Engineering Affinity Group Chair	JeongYon Shim	Kangnam University
Young Professionals Affinity Group Chair	Myounggon Kang	Korea National University of Transportation

Compared with the year 2020, the activities of Seoul Section were increased this year even with the continuing threat of COVID-19. Seoul Section is thrilled to report that Seoul Section has hosted IEEE TENSYP 2021 successfully as Seoul Section did IEEE TENCON 2018. The following is a brief summary of 2021 activities of Seoul Section.

- **TENSYMP 2021 held at Grand Hyatt Jeju, August 23-25, 2021**

To keep all the members technically current and abreast of new and changing technologies, Seoul Section hosted IEEE TENSYP 2021 whose theme is ‘Good Technologies for Creating Future’. Along with classical and special topics, several parallel professional sessions were organized as well.

- **Student Paper Contest held online, December 11, 2021**

The student activities of Seoul Section were highlighted by 2021 IEEE Seoul Section Student Paper Contest, which was held online on December 11, 2021. In the contest, 48 papers were presented and evaluated for the selection of prize winners.

- **Annual General Meetings**

Every year Seoul Section holds an annual general meeting. This year Seoul Section held an annual general meeting on December 11, 2021.

Time and Place	Agenda
17:00-18:00, December 11, 2021 Online (# attendees: 20)	<ul style="list-style-type: none"> • Report of 2021 IEEE Seoul Section Student Paper Contest • Report of activities of Seoul Section in 2021 • Report of financial audit of Seoul Section in 2021 • Election of 2022 IEEE Seoul Section Chair

- **Executive Committee Meetings**

Seoul Section holds four executive committee meetings a year. This year Seoul Section held four executive committee meetings in February, May, August, and December, respectively. The following table summarizes the meeting agenda.

No	When and Where	Agenda
1	16:00-17:00, Fri., Feb. 26, 2021 Online (# attendees: 20)	<ul style="list-style-type: none"> • Plans of committees in 2021 • Introduction to new MGA processes and tools • TCS for APMAR 2021 of HCI Society of Korea • NSA between IEEE and KIISE • Financial support for TENSYP 2021
2	17:00-18:00, Thu., May 27, 2021 Online (# attendees: 17)	<ul style="list-style-type: none"> • Report of activities from each committee • Report from TENSYP 2021 Organizing Committee • Report from TENSYP 2021 Technical Program Committee
3	17:00-18:00, Tue., Aug. 24, 2021 Grand Hyatt Jeju (# attendees: 15)	<ul style="list-style-type: none"> • Reports of activities from each committee • Report from TENSYP 2021 Organizing Committee • Report from TENSYP 2021 Technical Program Committee
4	17:00-18:00, Thu., Nov. 25, 2021 Online (# attendees: 16)	<ul style="list-style-type: none"> • Report of activities from each committee • Report of application for IEEE Region 10 Section Incentive • Discussion on 2022 IEEE Region 10 SYWL Congress

In addition to the major activities above, IEEE Seoul Section carried out the activities as follows.

- Seoul Section paid full scale attention on the membership development. As a result, the total membership was increased by more than 500 compared with the one in 2020. Notably, the number of graduate student members was increased by more than 800 compared with the one in 2020.
- To build a professional network, Seoul Section assisted members to form new chapters. Also, Seoul Section invested efforts to invite chapter chairs to annual general meetings and Higher Membership Promotion Committee ceremony.
- Seoul Section has three affiliation groups; Young Professional Affinity Group (YP), Women in Engineering Affinity Group (WIE) and Life Members Affinity Group (LM). Seoul Section endeavored to help these affinity groups for building a strong team.
- To provide an opportunity to experience the voluntary leadership, Seoul Section appointed Executive Committee members to the members of the organizing committees for TENSYP 2021 and 2021 IEEE Seoul Section Student Paper Contest. Volunteers having demonstrated excellence in the events of Seoul Section were recognized and appreciated in the annual meeting.
- The annual general meeting of Seoul Section was held online on December 11, 2021 after 2021 IEEE Seoul Section Student Paper Contest. In the general meeting, Prof. Cheon Won Choi at Dankook University was nominated to serve 2022 IEEE Seoul Section Chair.

A.2 Financial Report

In 2021, Seoul Section maintained a good financial balance. The expenditure of Seoul Section in 2021 was notably smaller than the one in 2020 since most of Seoul Section meetings were held online due to COVID-19.

1. Income

Item	Amount (KRW)
IEEE Support	23,698,875
From KICS	1,500,000
Interests	82,253
Council support from IEEE	3,977,300
Total	29,362,320

2. Expenditure

Item	Amount (KRW)
Meetings and Social Events	7,009,700
Student Activities, Chapter Support	7,274,200
Other Management & General Expenses	1,446,900
Total	15,730,800

3. Total Net Worth

Item	Amount (Won)	
Balance beginning of the year	128,408,233	A
Total Income of the year 2018.05	29,362,320	B
Total Expenditure of the year	15,730,800	C
Total Net Increases	13,631,520	B-C
Balance end of the year	142,039,753	A+B-C

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

Compared to 2020, Seoul Section gained about 500 members. The number of GSMs was increased by more than 800. Such an increase results from the fact that more graduate students were able to virtually attend IEEE conferences, e.g., TENSYP 2021, with discounted registration fees.

- **Total number of members**

Grade Year	Total	Mem	Sr.M	FM	HM	LF	LM	LS	AM	GSM	St.M	Other
2021	3950	1649	367	44	1	17	26	17	68	1385	321	55
2020	3491	1684	360	43	1	15	19	16	80	317	288	68
2019	4003	1807	337	42	1	11	12	13	101	1132	357	-

- Seoul Section will develop the membership in four ways as follows.
 - Development of a program for recruiting undergraduate and graduate students
 - Development of a program for recruiting persons in industry
 - Development of a program for elevating member grades of existing members
 - Recognition and appreciation of members for their voluntary services
- Five new fellows in Seoul Section were announced.
 - Chul-hwan Kim (Ajou University)
for contribution to protective relaying methods to reduce power system outages
 - Jin Hur (Incheon National University)
for contributions to design of permanent magnet synchronous motors
 - Kang-won Lee (SK Telecom)
for contribution to development of SDN and virtualization technologies for 5G wireless networks
 - Sam Noh (UNIST)
for contributions to storage system software for flash and nonvolatile memory

- Thomas Cho (Samsung Electronics)
for leadership and contributions in CMOS RFIC design and commercialization of wireless mobile systems
- In TENSYP 2021, a session on IEEE membership development was held on Tuesday, August 24, 2021, in which more than 30 people were attended and five talks were given as follows.
 - ① ‘IEEE MGA Strategy in 2021’ by Prof. Kukjin Chun (Past Vice-president of IEEE MGA, Past IEEE Region 10 Director)
 - ② ‘IEEE Member Grade Elevation: Senior Member and Fellow’ by Prof. Byung Gook Park (IEEE Region 10 Vice-chair of Membership Activities)
 - ③ ‘IEEE Membership as Professional Values and Individual Benefits’ by Prof. Jong Chang Yi (IEEE Region 10 HIBSC Chair)
 - ④ ‘Goal-directed Design Methodology: A Better Design for Successful Interactive Products’ by Prof. Parkash Lohana (IEEE Region 10 PAC Chair)
 - ⑤ ‘IEEE Membership and the Role of Membership Development Committee’ by Prof. JeongYon Shim (IEEE Region 10 MDC Chair)

B.2 Chapter Activities

- In 2021, there were a number of chapters of IEEE Seoul Section as shown below.

Technical Chapters	Code	Chair, Affiliation
IEEE Council on Design Automation	CEDA44	Vacant
IEEE Information Theory	ITS38	Kyongsu Yi,
IEEE Nuclear and Plasma Sciences	NPS05	Seungryong Cho
IEEE Power & Energy	PE31	Gilsoo Jang
IEEE Photonics	PHO36	Ju Han Lee
IEEE Solid-State Circuits	SSC37	Chulwoo Kim
IEEE Aerospace and Electronic Systems	AES10	Young Kil Kwag
IEEE Antennas and Propagation	AP03	Kyeong-Sik Min
IEEE Broadcast Technology	BT02	Byeungwoo Jeon
IEEE Computer	C16	Eenjun Hwang
IEEE Circuits and Systems	CAS04	Jinwook Burm
IEEE Communications	COM19	Sunghyun Choi
IEEE Control Systems	CS23	Poogyeon Park
IEEE Consumer Technology	CT08	Seung-Won Jung
IEEE Electron Devices	ED15	Vacant
IEEE Geoscience and Remote Sensing	GRS29	Sang-Wan Kim
IEEE Information Theory	IT12	Kwang Soon Kim
IEEE Microwave Theory and Techniques	MTT17	Vacant
IEEE Robotics and Automation	RA24	Songhwai Oh
IEEE Sensors	SEN39	Seong Oun Hwang
IEEE Signal Processing	SP01	Vacant
IEEE Vehicular Technology	VT06	Seung-Hoon Hwang

B.3 Professional and Continuing Education Activities

- **Lecture on IEEE professional activities in 2021 IEEE Seoul Section Workshop**

Seoul Section has also organized a lecture on IEEE professional activities on August 24, 2021 at Jeju, Korea. The lecture was given by Dr. Sangmi Lee, Chair of Professional Activities Committee of IEEE Seoul Section. The lecture covered an introduction to PAC of IEEE Region 10 and PACs of the regions including USA.

B.4 Students Activities

- **Student Branches**

IEEE Seoul Section had 15 student branches in 2021. Each student branch consisted of undergraduate and graduate students ranging from 1 to 214. Also, each student branch was operated independently under the supervision of the counsellor of the student branch. The student branches of Seoul Section in 2021 were as follows.

Organizational Unit Name (Number of Members)	Position	First Name	Last Name	Email Address
Ajou Univ. (31)	Counselor	Ikmo	Park	ipark@ajou.ac.kr
Catholic Univ. of Korea (1)	Chair	Sang-Hyun	Cho	cshgreat@catholic.ac.kr
	Counselor	Hang-Bong	Kang	hbkang@catholic.ac.kr
Chonbuk Natl. Univ. (20)	Counselor	Yongsug	Suh	ysuh@jbnu.ac.kr
Chung-Ang Univ. (21)	Counselor	Jong-Soo	Choi	jschoi@cau.ac.kr
Dankook Univ. (2)	Chair	Jin	Park	pjk9466@nate.com
	Counselor	CheonWon	Choi	cchoi@dku.edu
Ewha Woman's Univ. (15)	Counselor	Meejeong	Lee	lmj@ewha.ac.kr
Hongik Univ. (27)	Chair	Jonghyuk	Lee	aaiiwitf@gmail.com
	Counselor	Albert	No	albertno@hongik.ac.kr
Korea Univ. (113)	Counselor	Chang-Sung	Jeong	csjeong@korea.ac.kr
Kyungsoong Univ. (3)	Chair	Grace	Lukman	grace.firsta@gmail.com
Seoul Natl. Univ. (214)	Counselor	Jong	Park	parkjk@snu.ac.kr
Seoul Natl. Univ. of Science and Technologies (25)	Chair	Adhistira	Naradhipa	adhisitira.madhyasta@
	Counselor	Sewan	Choi	schoi@seoultech.ac.kr
Sogang Univ. (43)	Chair	Sungho	Kim	samkim@sogang.ac.kr
	Counselor	Jin Ho	Chang	jhchang@sogang.ac.kr
Soongsil Univ. (16)	Counselor	Young Han	Kim	younghak@ssu.ac.kr
Sung Kyun Kwan Univ. (51)	Counselor	Joong Kyu	Kim	jjkim@skku.edu
Yonsei Univ. (108)	Counselor	Hongil	Yoon	hyoon@yonsei.ac.kr

- **2021 IEEE Seoul Section Student Paper Contest**

The student activity of Seoul Section can be highlighted by the 2021 Student Paper Contest, which was held online on December 11, 2021. 48 papers were presented and evaluated for selection of prize winners.

- 13:00-16:00, Saturday, December 11, 2021; Online
- 48 papers submitted
- 1 grand prize winner selected; 300,000 KRW bestowed on winner
- 2 gold prize winners selected; 200,000 KRW bestowed on each winner
- 3 silver prize winners selected; 100,000 KRW bestowed on each winner

B.5 Affinity Group Activities

In TENSYM 2021, Seoul Section held several seminars on Women in Engineering (WIE). More than 20 people were attended at these seminars. The details on topics and presenters are as follows.

● **Activities of Women in Engineering Affinity Group**

A special session on Women In Engineering (WIE) was held from 9:00 to 10:30 on Wednesday, August 25, 2021. More than 20 people attended at the session. The theme of the session was ‘Leadership, Career Development, Research, Life, Family, and Everything of a Woman Engineer’. In the session, which was moderated by Prof. JeongYon Shim, four talks were given as follows.

- ① ‘IEEE Region 10 WIE: Be a Changemaker’ by Emi Yano, IEEE Region 10 WIE Chair (Ricoh IT Solutions Co., Japan)
- ② ‘Woman Engineers and Their Journey for Success: Passion and Vision’ by Mijung Noh, Corporate VP at Samsung Electronics, Korea
- ③ ‘Be Creative and Be Yourself’ by Prof. Jing Dong, IEEE Region 10 HTAC Chair
- ④ ‘Women’s Challenges during & Post COVID19 Era: Leadership & Career Development’ by Prof. Nia Kurnianingsih, IEEE Region 10 IMC Chair

● **Activities of HPMC (Higher Membership Promotion Committee)**

A ceremony of Seoul Section HPMC was given online on February 24, 2021. More than 20 people attended at the ceremony. Funding support was 500,000 KRW. In 2021 IEEE Seoul Section Workshop, Seoul Section organized a lecture on the activities of HPMC entitled by ‘IEEE Seoul Section HPMC: Past and Future’. The lecture was given by Prof. Jong Chang Yi on August 24, 2021.

B.6 Awards & Recognition Activities

● **2021 IEEE/IEIE Joint Award ceremony**

- Time: July 1, 2021
- Place: Lotte Hotel Jeju, Korea
- Funding support: 0 KRW
- Number of attendees: 30 (limited due to COVID-19)
- Activities: 2021 IEEE/IEIE Joint Award was presented to Namyoon Lee, Professor at POSTECH.

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

- The homepage of Seoul Section <http://sites.ieee.org/seoul> was significantly updated thanks to the efforts of Prof. Sang-Hun Song at Chung-Ang University (Chair of Information Management Committee of Seoul Section).

B.8 Industry Relations

N/A

B.9 Humanitarian Technology Activities

N/A

B.10 Community Activities

- **Two-day summer school for students and young professionals**

For student and young professionals, we have held a two-day virtual summer school, from 15 to 16 July, 2021 online, with a theme, “Advances and Challenges of Artificial Intelligence in the Internet-of-Things Era”. Prof. Seong Oun Hwang (Gachon University, South Korea) was served as the program committee chair. The event was held online using Webex on July 15 – 16, 2021, with a theme of “Advances and Challenges of Artificial Intelligence in the Internet-of-Things Era”. We co-organized this event in cooperation with the Computer & Information Society of Institute of Electronics and Information Engineers, IEEE Seoul Section Sensors Council Chapter, Gachon University BK21 FAST Artificial Intelligence Convergence Center, Hongik University Research Team for Super-Distributed Autonomous Computing Service Technologies, and Kookmin University Special Communication & Convergence Service Research Center. Before the event opens, we promoted it using the IEIE website and associated email, and the IEEE vTools. We invited 9 speakers, 5 foreigners and 4 Koreans, including professors and postdocs from academia, which are top experts in artificial intelligence and its applications in IoT. The total number of registered Korean users amounts to 69, which consists of 52 students and 17 non-students. In addition, some foreigners have also participated in this program. We think that the talks were great as it is not very difficult to understand and closely related to the state-of-the-art research work. This was a series of short talks, which serves like eyes opener as well as giving some inspiration for research. It was a good way to open collaborations and do match-making between researchers, and the students were particularly interested in this aspect. To promote question and answer, and further collaboration among participants, we run a communication channel by using the Slack app during the talk. Participants can observe most questions and answers at <https://ai-security.github.io/summer-school-2021/qna.html>. Below is the brief schedule of the event.

15 July 2021

Time	Program	Speaker
09:30 – 10:20	Reinforcement Learning and Stochastic Optimization: A unified framework for sequential decisions Part 1	Prof. Warren Powell, Princeton Univ., USA
10:20 – 11:00	New Challenges to Face Recognition: Low-Resolution Face Recognition and Periocular Recognition	Dr. Cheng-Yaw Low, Yonsei Univ., Korea
11:00 – 11:40	AI for Information-Centric Networks as a Future Network Technology	Prof. Byung Seo Kim, Hongik Univ., Korea

11:40 – 12:20	Deep Review of Model Compression in Knowledge Distillation Side	Prof. Byung Chul Ko, Keimyung Univ., Korea
12:20 – 14:00	Lunch break	
14:00 -14:40	Biometric Cryptosystem: Progress and Challenge	Prof. Andrew Teoh, Yonsei Univ., Korea
14:40 – 15:20	Maritime, Underwater IoT and AI-based First-order logic TUM-IoT Digital Twin	Prof. Soohyun Park, Kookmin Univ., Korea

16 July 2021

Time	Program	Speaker
09:30 – 10:20	Reinforcement Learning and Stochastic Optimization: A unified framework for sequential decisions Part 2	Prof. Warren Powell, Princeton Univ., USA
10:20 – 11:00	Overview of Model Compression and Quantization in Deep Learning	Dr. Jin-Chuan See, Univ. Tunku Abdul Rahman, Malaysia
11:00 – 11:40	Edge Federated Learning: Recent Advances and Open Research Problems	Dr. Rehmat Ullah, Queen's Univ., UK
11:40 – 12:20	Hardware Acceleration and Optimization of Deep Neural Networks	Prof. William Song, Yonsei Univ., Korea

PART C - OTHERS

C.1 Special Events

- **TENSYMP 2021 was held in Grand Hyatt Jeju, Aug 23-25, 2021.**
 - IEEE Region 10 Symposium (TENSYMP) is a prestigious flagship conference of IEEE Region 10.
 - The theme of TENSYMP 2021 was ‘Good Technologies for Creating Future’ and its aim was to bring together researchers and engineers from academia and industry to overcome the present difficulties and create prosperous future.
 - In the symposium, 180 papers were presented; 136 oral presentations and 44 poster presentations.
 - Registrants came from more than 20 countries.
 - Five excellent papers were selected by TENSYMP 2021 technical program committee. Best paper awards were bestowed on the authors of them.

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

- **Meetings for Connection with Local National Societies**

There have been three national institutes in Korea with which IEEE established national society agreement (NSA) as follows.

- Institute of Electronics and Information Engineers (IEIE)
- Korea Institute of Communication and Information Science (KICS)
- Korea Institute of Information Science and Engineering (KIISE)

Since the NSAs with the institutes above were expired, Seoul Section helped the institutes renew their NSAs. As a result, the NSA with KICS was renewed this year and

the renewal of the NSA with KIISE is in progress. (IEIE is preparing the application of the NSA renewal while closely communicating with Seoul Section.) In addition, Seoul Section helped Korean Institute of Electromagnetic Engineering Society (KIEES) request for the establishment of NSA between IEEE and KIEES. The request is being processed by IEEE headquarter and is expected to be finalized soon.

C3. Collaboration with other IEEE Sections

N/A

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

N/A

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

● **2021 IEEE Seoul Section Workshop**

- During the period of TENSYP 2021 (August 23-25, 2021), 2021 IEEE Seoul Section Workshop was held in Grand Hyatt Jeju, Korea.
- 5,000,000 KRW of funding was made for the successful workshop.
- Twenty executive committee members attended the workshop. (The number of attendees was limited due to COVID-19.)
- Seoul Section History Committee Chair reviewed IEEE Milestones Program for Seoul Section Executive Committee members.
- Seoul Section Professional Activities Committee Chair made an address on IEEE professional activities for Seoul Section Executive Committee members.
- Past chairs of Seoul Section discussed about the membership development with Seoul Section Executive Committee members.
- Seoul Section Women in Engineering Affinity Group Chair made a speech on the activities of women in engineering for Seoul Section Executive Committee members.
- Past director of Region 10 explained about the structure of IEEE organization to Seoul Section Executive Committee members.
- Seoul Section Higher Membership Promotion Committee Chair introduced the promotion plan to Seoul Section Executive Committee members.

- To build a professional network, Seoul Section assisted members to form new chapters. Also, Seoul Section invested efforts to invite chapter chairs to annual general meetings and Higher Membership Promotion Committee ceremony.

- Seoul Section has three affiliation groups; Young Professional Affinity Group (YP), Women in Engineering Affinity Group (WIE) and Life Members Affinity Group (LM). Seoul Section endeavored to help these affinity groups for building a strong team.

- To provide an opportunity to experience the voluntary leadership, Seoul Section appointed Executive Committee members to the members of the organizing committees for TENSYP 2021 and 2021 IEEE Seoul Section Student Paper Contest. Volunteers having demonstrated excellence in the events of Seoul Section were recognized and appreciated in the annual meeting.

- The student activities of Seoul Section were highlighted by 2021 IEEE Seoul Section Student Paper Contest, which was held online on December 11, 2021. In the contest, 48 papers were presented and evaluated for the selection of prize winners. The grand prize winner of the student paper contest will be given the privilege to participate in Tokyo Section's TOWERS 2022 event with the full support of Seoul Section.
- IEEE-IEIE Joint Award ceremony was held on July 1, 2021. Prof. Namyoon Lee at POSTECH was awarded 2021 IEEE-IEIE Joint Award.
- The annual general meeting of Seoul Section was held on December 11, 2021 after IEEE Seoul Section Student Paper Contest. In the general meeting, Prof. Cheon Won Choi was elected to serve as the chair of IEEE Seoul Section in 2022.

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

N/A

PART D - GOALS AND PLANS

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

Seoul Section has built concrete plans for the year of 2022. A part of the plans are listed below.

- In 2021, Seoul Section successfully held TENSYP 2021. Since October of 2021, Seoul Section has made efforts to host 2022 IEEE Region 10 Students, Young Professionals, Women in Engineering, and Life members (SYWL) Congress. If the opportunity is given to Seoul Section, Seoul Section will systematically prepare for the SYWL congress and make it successful.
- Seoul Section will increase the membership by exploring new industry members.
- Seoul Section will vitalize inactive student branches to participate in the activities, e.g., IEEEExtreme.
- Seoul Section will encourage members to elevate their member grades.
- Seoul Section will support the technical activities of the chapters of Seoul Section.
- Seoul Section will improve member services so that all the members are able to attain useful information at the website of Seoul Section.
- Seoul Section will support the activities of Membership Development Committee, Fellow Candidate Discovery Committee, Volunteer Recognition Committee, and Higher Membership Promotion Committee to increase the membership.
- Seoul Section will invite volunteers to the workshops that provide updated manuals for membership development and conference organization.
- Seoul Section will publish newsletters to communicate with the members of Seoul Section.
- Seoul Section will collaborate more closely with other academic societies in Korea, e.g., IEIE, KICS, KIEE, KIEES, KIISE, KIPE, KIPS, KOSBE, and OSK.
- Seoul Section will support and encourage members to participate in IEEE Region 10 activities as well as IEEE Headquarter activities.
- Seoul Section will continue to honor the services of volunteers by recognizing and appreciating them through media, newsletters and meetings. Not only the services of individuals but also the achievements of chapters, student branches, and

industries will be disclosed for the recognition of them through plaques, awards, prizes, badges, and certificates.

D.2 Goals and Future Plans

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

N/A

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

N/A

Appendix (Photographs)

2021 IEEE Student Paper Contest Call for Papers

December 11 (Sat), 2021
Dankook University

2021 IEEE Student Paper Contest Call for Papers

IEEE Seoul Section calls for papers for 'Student Paper Contest' 2021, an annual convention to promote its Student Members' technical paper publications. Outstanding papers selected from the contest will be granted a privilege to participate in IEEE Region 10 Student Paper Contest 2021. Active participation is solicited from all the Student Members from IEEE Seoul Section. Submission guidelines and the detailed schedule of important dates are as follows:

Scope of Eligible Papers:

1. Original English papers unpublished or not submitted for publication on any other journals or proceedings
2. English papers presented in domestic conferences in 2021*
3. Translated papers presented in domestic conferences in 2021*

*The name of the domestic conference should be stated in the paper.

Paper Submission:
Submit your paper written in English (3-5 pages recommended) electronically in PDF format online at <http://site.ieee.org/seoul/paper>

Final Presentation (Virtual)
This year's Student Paper Contest will be virtual. Please upload your 10-min. paper presentation video to the website by Dec. 9. Individual presenter will be given 5 min. Q&A time right after the video on Zoom. It is finished at his/her own presentation time (presenters need to stay on Zoom).

Prizes: One Grand Prize, two Gold Paper Awards, three Silver Paper Awards, Excellent Paper Awards for all the participants in the final presentation. Awarded will be announced right after the video presentation.

Important Dates

1. Paper submission (to website): November 25 (Friday), 2021
2. Notification of acceptance (by e-mail): December 3 (Friday), 2021
3. Video submission (to website): December 9 (Thursday), 2021
4. Announcement of prize winners (online): December 11 (Saturday), 2021

* Maximum two papers can be submitted per advising professor.

IEEE TENSYPM 2021

23-25 August, 2021 | Jeju, Republic of Korea

Organized by IEEE Region 10

Committee

General chair: Chae-woo Lee, Ajou University
General co-chair: Cheon Won Choi, Dankook University
Technical program chair: Seokhyun Yoon, Dankook University

Important dates

Special Session (SS)
Proposals: April 15, 2021
Submission of Regular/SS Papers*: April 15, 2021
Notification of Acceptance: June 14, 2021
Camera Ready Submission: July 15, 2021
Author Registration: July 15, 2021
Manuscript must be submitted to <https://edas.info/N28138>

Events

- YP, WIE and Students Events
- Tutorials
- Industry Panels

Contact Point
tensymp2021@gmail.com

The scope of the conference includes but not limited to the following areas:

- Antenna, Microwave & RF Engineering
- AI, Computer Networks, Security & IoT
- Biomedical Engineering & Bioinformatics
- Cloud, Big Data & ICT
- Computer Architecture & Systems
- Computer Vision, Graphics & HCI
- Climate Change and Environment
- Devices, Materials & Processing
- Electrical Machines & Drives
- Ethics and Social Impacts of Technologies
- Emerging Technologies
- Humanitarian Technologies
- Nano & Semiconductor Technologies
- Photonics Technologies & Applications
- Power Electronics Power System & Renewable Energy
- Robotics, Control & Automation
- Software & Database Systems
- Signal, Image & Video Processing
- Technology for Quality Education
- VLSI, Circuits & Systems
- Wireless Communications
- Sensor Technologies and Applications
- Information Technologies
- Communications and Networks
- Computational Intelligence
- Industrial Applications

2021 Seoul Section Student Paper Contest

TENSYPM 2021



Session on Women in Engineering