

A circular inset image showing a person in a cleanroom environment, possibly working on a large piece of equipment. The person is wearing a white lab coat and a mask. The background is a large, curved metal structure, likely part of a particle accelerator or a large-scale scientific instrument.

IEEE REGION 10 CONNECT

FOURTH EDITION
2022

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WELCOME MESSAGES

Message from IEEE Region 10 Director

Dear IEEE Colleagues,

We have witnessed an all-round outstanding performance in Region 10 during 2021-2022. There were unprecedented challenges and uncertainties but the thoughtful leadership at all levels in the Region has transformed challenges into opportunities. I would like to thank each one of you for your contributions and great performance. I am sure the coming years are going to be brighter.



Our region's performance was very good with excellent growth. All Region 10 flagship events were successfully carried out. I appreciate the leadership and organizers of TENCON, TENSYP, and R10HTC for their untiring efforts in organizing these conferences with great success. My special thanks to the Seoul Section and a team of R10 SYWLC for organizing the congress amidst uncertainty and challenges. The congress was well-participated.

We recently concluded the first ever held Region 10 Robotic Competition in Bangkok. The idea was to engage members and provide a platform to showcase their innovative ideas. There were several rounds and finalists were invited to demonstrate their working robots in a grand finale which was held at Chulalongkorn University, Bangkok. The event was also supported by Thailand Section and Chulalongkorn University. I thank everyone associated with this ambitious project of Region 10 and also congratulate the winners and participants. A robotic workshop was also organized on the sidelines of the main event, which witnessed participation from students from 7 local schools. The enthusiastic school children made a working robot and participated in a competition. I am sure Region 10 will continue this program with more rigor and passion to make it a flagship event.

Our initiative 'Region 10 Talk' has been very successful, where we invited experts from IEEE Technical Societies. This was a team effort put forth by committees of Region 10. It reinforces our belief that teamwork and a collaborative approach are keys to success. I thank the architects of 'TenTalk'.

As my term is going to be over by the end of 2022, I am extremely happy that Region 10 would be led by my longtime friend and IEEE colleague, an accomplished professional, and great volunteer leader, Emeritus Professor Lance Fung. Lance has great plans to steer Region 10 further and I am confident in his leadership. I am sure all of you would be extending all your support to him in his plans to further the mission and vision of IEEE.

I would also like to congratulate Takako Hashimoto for being elected as the 2023-2024 Region 10 Director-Elect and I am sure her long and inclusive experience in Region 10 shall be very useful. I also congratulate Dr. Seishi Takamura from Japan who is elected as IEEE Region 10 Zone Representative for North Asia.

As many of you might be knowing that the splitting of Region 10 has been approved by IEEE and the implementation date would be 1st January 2028. This brings a lot of opportunity for further growth with increased responsibilities and accountability of managing Regions after the split. We have a very experienced advisory committee and I strongly believe their guidance will make the split efficient and effective. Region 10 shall have two zones till the split comes to affect – North Asia and South Asia & Pacific.

Despite many accomplishments and accolades, 2021-2022 had painful moments. We lost our two very bright volunteers. The losses of Prof B G Park (Region 10 Vice Chair of Membership Activities) and Prof Lawrence Wong (Past Region 10 Director) have created a void and we would be missing them. May their soul rest in eternal peace, and my deepest condolences go to their families and loved ones.

On my last note, I am happy to inform you that I have been elected as the 2023 Vice President-Elect of IEEE Member and Geographic Activities (MGA). I look forward to working with you to further the mission and vision of IEEE in my new capacity.

I wish you and your loved ones 2023 filled with happiness, health, and prosperity.

Happy New Year!

Best regards,

A handwritten signature in blue ink that reads "Deepak Mathur" with a horizontal line underneath and two dots at the end.

Deepak Mathur

2021-2022 IEEE Region 10 Director

2023 IEEE Vice President-Elect, Member and Geographic Activities

Message from IEEE Region 10 Newsletter Chair

Dear Region 10 Members,

It is my pleasure to welcome you to the fourth and final edition of IEEE Region 10 Connect for 2022. I would like to apologize for the delay in releasing this final newsletter issue due to unavoidable circumstances.



Nevertheless, this edition continues to feature exciting reports and articles from members and organizational units across Region 10. Our Know Your R10 Volunteers and Know Your R10 Organizational Units columns continues to feature exciting R10 personnel organizational units. In this edition, we have three more volunteers (Pooja Sharma, Mayesha Tafannum, and Tadashi Takano) and three more organizational units (Kansai Section, SIES GST Student Branch, and USM Student Branch) featured in the respective columns for your reading pleasure. We also have the report on the recently conducted R10HTC conference and SYWL congress, updates from various R10 committees, activities and events reporting from various Sections, Affinity Groups, and Student Branches, as well as a compilation of awards announcement and conference call for papers.

After 4 years of chairing the R10 newsletter committee, I will pass the baton to Dr. Akila Wijethunga from the Sri Lanka Section who will chair the committee in 2023. I wish her and her team all the best in bringing the R10 newsletter to an even greater height for the benefit of R10 readers. My utmost appreciation goes to the newsletter team: Prashant, Tridibesh, Bee Theng, Redwan, Wathmini, Garima, Naila, Nabeel, and Vaishali. I hope to work together with you all again in some other capacity. Last but not least, I would like to thank everyone for your wonderful support for me and my committee members for the last 4 years. I hope you can show the same level of support, if not greater, to Dr. Akila and her team.

I hope you will enjoy this final edition of the IEEE Region 10 Connect in 2022. As always, you can reach us at r10-ecn@ieee.org if you have any comments or suggestions to share with us regarding the newsletter.

And Happy New Year 2023!!

Thank you and kind regards,

Mohammad Faizal Ahmad Fauzi

Chair, IEEE R10 Newsletter Committee

Committee Member	Portfolio
Mohammad Faizal Ahmad Fauzi	Chair/Chief Editor
Prashant R. Nair	Editor
Redwan Ferdous	Editor
Tridibesh Nag	Editor
Lau Bee Theng	Editor
W. M. W. Sharika Jayalath	Associate Editor
Garima Patel	Associate Editor
M Naila Mukhtar	Webmaster/Social Media
Vaishali S.	Webmaster/Social Media
Nabeel Ahmed Masoodi	Graphic Designer/Social Media

1. REGION 10 UPDATES

Special Tributes to Prof. Lawrence Wong



Prof. Lawrence Wong Wai Choong (1954 – 2022)
Region 10 Director 2011-2012, IEEE Vice President MGA 2015-2016

I am deeply saddened about the passing of Prof. Lawrence Wong. Prof. Lawrence Wong was a well-respected and dedicated IEEE leader who served as the Vice President of IEEE MGA in 2015-2016, IEEE Region 10 Director in 2011-2012, Chair of IEEE Singapore Section in 1993-1996, and in many other IEEE capacities. His contributions to IEEE and Region 10 were exemplary. I had the opportunity to work under his leadership in his EXCOM and have many pleasant memories. The passing of Prof. Lawrence Wong is a great loss to IEEE and IEEE Region 10. On behalf of IEEE Region 10, our deepest condolences to his family and loved ones.

-Deepak Mathur, IEEE Region 10 Director

Prof. Lawrence Wong is truly a scholar and a gentleman, a dedicated volunteer, and an excellent leader in IEEE, as well as in his discipline of learning. During my over 20 years of association with Prof. Wong, Lawrence always wears a smile, friendly, joyous, courteous, and approachable. In his capacity as an IEEE volunteer and leader, he served with outstanding performance, humility, and respect for fellow members was highly disciplined, and was an example for all to follow. With his experience and knowledge in IEEE matters, he was always available to provide answers, advice, encouragement, and resolutions. Lawrence's demise is indeed a great loss to his family as well as to IEEE. He will always be fondly remembered and sadly missed by all.

-Lance Fung, IEEE Region 10 Director-Elect

We miss Prof. Lawrence Wong very much, as he was our very good friend through many IEEE activities. I met Lawrence first when I joined IEEE Region 10 Executive Committee in 1995. He had been a member of that Committee since a year before, and he kindly introduced me to many things about Region 10. He served as Region 10 Director 2011-2012, IEEE Vice President MGA 2015-2016, and many other positions. His excellent leadership skills and critical comments helped Region 10 to be vibrant for many years including the time of his Directorship. During my Directorship in 2019-2020, his advice as an Advisory Committee member was valuable. We will follow his great passion and dedication in our IEEE volunteer work and in our daily life. He will always be in our hearts. May his soul rest in peace. My sincerest condolences to his family and loved ones.

-Akinori Nishihara, IEEE Region 10 Past Director



I came to know of Lawrence during his term as IEEE R10 Director, when we hosted the 2011 IEEE Region 10 Student/GOLD (Now YP)/WIE congress here in Auckland. Since then, there have been several instances when we met in person. The last I recollect is when he came to New Zealand again in 2020. Rest in peace, my friend.

-Nirmal Nair, IEEE R10 Vice-Chair of Professional Activities

It's indeed shocking to hear such unbelievable news. Lawrence was a good friend of mine and a kind, caring and IEEE volunteer leader of excellence, who brought numerous laurels to both IEEE & Region 10. Heartfelt sympathy and condolences to his family and friends to bear such an irreparable loss. Rest in Peace Prof. Lawrence!

-Dr. Ramakrishna Kappagantu, IEEE R10 Advisory Committee

Lawrence was always a great friend and well-respected IEEE leader who took several key initiatives while being the Regional Director and VP of MGA. He had a big fan base and has inspired many IEEE members and volunteers. Friends and tall leaders like Lawrence are never truly gone. You will live in the memories of all who loved you.

-Amit Kumar, IEEE R10 Section Chapter Committee Chair

Prof. Lawrence Wong was my "STAR" in IEEE activities. When I joined Region 10 ExCom in 2010, he was a Director-Elect and he guided me to planning various student activities in the growing region. Then I continued as R10 SAC under his directorship for 2 years. The most remembered one was our 1st Region 10 SAC/GOLD/WIE Congress 2011 held in Auckland. Before 2011, R10 coordinated only student congresses but we discussed and expanded to include GOLD (now YP) and WIE members in order to share our specialist knowledge with wider sectors of members. With the big help of Director Lawrence, the event was coordinated very successfully. Now after 10 years, I still stay inside R10 ExCom serving various positions, and Prof. Lawrence always gave very important guidance in a whisper to enhance the value and opportunity of our activities. Without him, I could not complete my role. In a social situation, we had wines in many places worldwide. He had special knowledge and I learned many things to enjoy. Dear Prof. Lawrence, please rest in peace with enjoying wine!

-Takao Onoye, Dr.Eng, IEEE R10 Conference & Technical Seminar Committee Chair



IEEE Region 10 Students, YP, WIE and LM Congress (SYWLC) 2022

11th - 14th August 2022, Jeju Island, Korea

Garima Patel and Tridibesh Nag, IEEE R10 Newsletter Committee

The IEEE Region 10 Students, Young Professionals, Women-in-Engineering and Life Members Congress 2022 (R10 SYWL Congress 2022) took place from 11th to 14th August 2022 in Jeju Island, South Korea. The Congress was hosted by IEEE Seoul Section and was open to, but not limited to, all IEEE R10 members. The theme of the R10 SYWL Congress 2022 was 'Sound and Young Influences for World Leading'. The bi-annual event happened in person for the first time after the pandemic and was organized at Jeju Shinhwa World Marriott Resort. Being the flagship event of the IEEE Region 10 volunteer calendar, it gathered delegates from all over Asia-Pacific for four days. The event was an excellent opportunity for participating delegates to share ideas, knowledge, and best practices through mutual understanding and exchange. Training sessions were held to assist with the development of the volunteers, with particular emphasis on becoming effective leaders within their communities.

During the 4-day congress, there were a total of 50 sessions, consisting of the opening ceremony, 10 keynote sessions, 8 sessions under the Students Track, 5 sessions under the WIE Track, 6 sessions of YP Track, 3 sessions of the LM Track, 7 sessions related to Industry and Technology, 3 sessions related to Humanitarian Activities, Sessions on "Why IEEE" and IEEE Region 10 Executive Committee Talk and finally a closing ceremony. A total of 133 registered participants from around 14 countries took part in this extravagant congress.



The R10 SYWL Congress 2022 was launched with an Opening Ceremony on 11th August 2022. The welcome address was delivered by the R10 SYWL General Chair Cheon Won Choi, IEEE R10 Director Deepak Mathur, and IEEE Korean Council Chair Yong Seok Choi. Juho Lee from Samsung Research, Samsung Electronics delivered a session on the "Evolution of Mobile Communications towards 6G" post in which JeongYon Shim, SYWL 2022 Program Chair, gave an Orientation of the Congress.

Students Activities Track

Student Track consisted of 9 Sessions, delivered by 14 globally recognized speakers/moderators. Each session consisted of bonus networking sessions for attendees. The best part of the R10 SYWL Congress was the opportunity of connecting to a broader IEEE member network. As such, exclusive networking sessions were designed during Student Track sessions which allowed to foster a much stronger web of networks at various organizational units and geographic levels. The purpose of organizing the networking activities was for the participants to mingle with each other, widen their connections, learn from each other, and have fun while attending the congress. Interactive games were organized to make the sessions much more fun and engaging. Moreover, the speakers and delegates also conducted sharing sessions about best practices when volunteering and about IEEE student member benefits. Surprise prizes were also presented to the engaged student attendees of the sessions.

Program	Speakers
Session Chair	Jennifer Chua Dela Cruz (IEEE R10 SAC Chair)
	Warunika Hippora (IEEE R10 Student Representative)
	Seongjae Cho (IEEE Seoul Section)
Ice Breaking Session (Treasure Hunt)	Chamika Sudusunghe (IEEE Sri Lanka Session)
	Ain Hamizan
Guidelines & Introduction to Teams of the BG Park Contest	Jennifer Chua Dela Cruz (IEEE R10 SAC Chair)
	Warunika Hippora (IEEE R10 Student Representative)
Mental Health/Mentoring/Coaching Session	Akila Wijethinga (IEEE Sri Lanka Section)
SAC Contests and Awards	Yellasiri Vijayalata Lata (IEEE Hyderabad Section)
	Nadan Nair (IEEE Kerala Section)
	Muzamil Mahmood (IEEE Islamabad Section)
IEEE journey from a SM to LM and how it curated my career and technology contributions	R. Muralidharan (IEEE Senior Life Member)
IEEE Student Branch Required Reporting	Ewell Tan (IEEE R10 Project Manager)
Keynote: Future Technology and Innovation of memory	Min Hee Cho (Semiconductor R&D Center, Samsung)
Interpretability of Artificial Intelligence	Karthik K (AI Engineer, IEEE Kerala Section)
How to start your career in Cyber Security	Hossam Ali (IEEE MGA SAC Chair)
IEEE Entrepreneurship	Subodha Charles (IEEE Entrepreneurship Committee)

IEEE Entrepreneurship also contributed to the event with an introduction to IEEE Entrepreneurship initiatives and a discussion on how best IEEE Entrepreneurship can support local events within IEEE Region 10. Subodha Charles, Member at Large 2021 IEEE Entrepreneurship Steering Committee, delivered the IEEE Entrepreneurship – A Local Flavor session outlining what IEEE Entrepreneurship has done over the years, its mission, organizational structure, products/programs, and plans. IEEE R10 SAC also organized the BG Park contest at R10 SYWLC 2022 which offered all IEEE R10 sections an opportunity to showcase their ideas on the theme “Diversity, Equity, and Inclusion”. Participating teams were asked to draft and present their best ideas and implementation of an activity based on this theme.



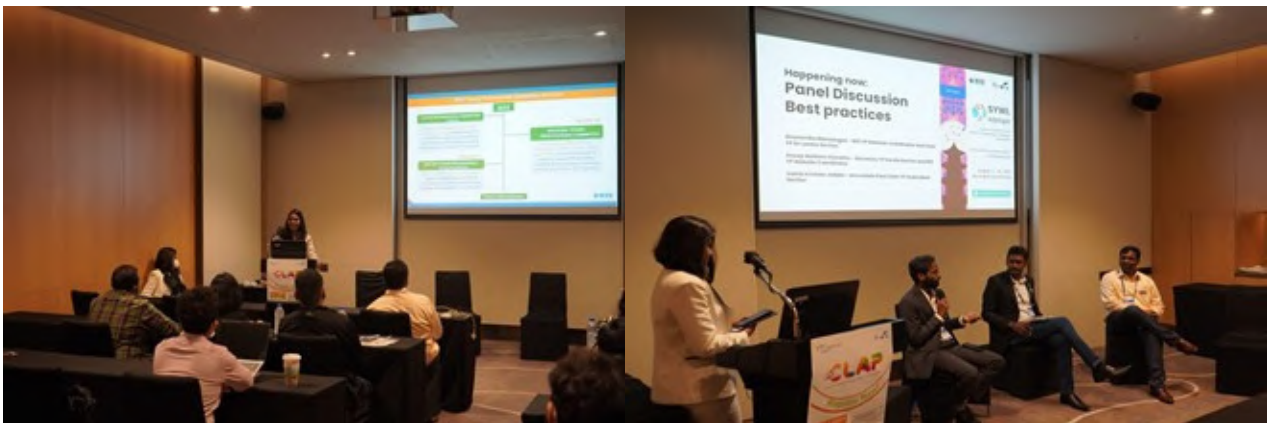
Young Professionals (YP) Track

The YP Track had 1 keynote session attended by all and 6 talks during the parallel session. All sessions were well-attended by registered delegates and a large number of members joined the parallel session to hear the intriguing conversations. During the parallel session, Saaveethya Sivakumar who is currently the IEEE Region 10 (Asia Pacific) Young Professionals Committee Chair for 2021-2022 and the Student to Young Professionals Transitions Committee Chair at IEEE MGA Student Activities Committee 2021-2022, delivered a keynote address on the topic “Stepping to IEEE Young Professionals”. The panel discussion on the topic “Best Practices in Young Professionals Affinity Group” covered how these active sections collaborate with the committee, initiatives, events, the AG’s strategic plan, yearly planning, team structure, and what has been done to keep the section active thus far. Victories, defeats, new learning from errors and blunders, and thoughts and assistance for fellow sections. The panel discussion “Technology as an enabler: bridging the gap in a Technology” apprised participants about how technology is an enabler in every part of the organization and business from the front line to the back office, and creating technological leaders in space.

'YP AG Coordination' was an interactive session with participants to share knowledge about YP affinity group coordination to discuss awards, award applications, and specific information, funds, and funding applications/ specific details which need to be considered for a perfect submission, events, collaborations, and event reporting. The panel discussion on the topic "Enhancing the opportunities with IEEE" discussed ATS (Application Tracking System) friendly CVs, structuring cover letters, getting jobs in academia, remote, and hybrid working.

Program	Speakers
Session Chair	Saaveethya Sivakumar (IEEE YP Chair)
	Myounggon Kang (IEEE Seoul Section)
Opening Remarks and Ground Rules	Dilini Ekanayaka (SYWL YP Track Coordinators)
	Dharmika Marasinghe (SYWL YP Track Coordinators)
Stepping YP	Saaveethya Sivakumar (IEEE R10 YP Chair)
YP AG Coordination	Mayesha Tafannum (IEEE R10 YP Lead Coordinator Communications and Awards)
	Puthukeril Jacob Thomas (IEEE R10 YP SYP Funding Coordinator)
Best Practice by YP AGs	Dharmika Marasinghe (IEEE R10 YP Webinar Coordinator and Sri Lanka Section YP Chair)
	Anoop Mathew Uluvathu (IEEE Kerala Section YP Secretary and IEEE R10 YP Website Coordinator)
	Anu Sabu (Past Vice YP Chair of IEEE Victorian Section)
	Vamsi J Krishna (Past YP Chair of IEEE Hyderabad Section)
Technology as an enabler: Bridging the gap in Tech	Sanjay Kar Chowdhury (IEEE R10 Industry Relation Chair)
	Simay Akar (IEEE Vice YP Chair and PES YP Chair)
Enhance the Opportunities with IEEE	Mithushan Jalangan (IEEE R10 YP Lead Coordinator for Technical Activities)
	Nirmal Nair (IEEE R10 Vice Chair of Professional Activities)
	Amit Kumar (IEEE R10 Section & Chapter Committee Chair)
	Vijay Paul (IEEE R10 IMC and past YP Chair of Victorian Section)
Insights from IEEE Publications	Mohammed Hussein (IEEE R10 YP Lead Coordinator for SYP Transitions)
	Alex Liu (IEEE R10 Manager for Client Services)

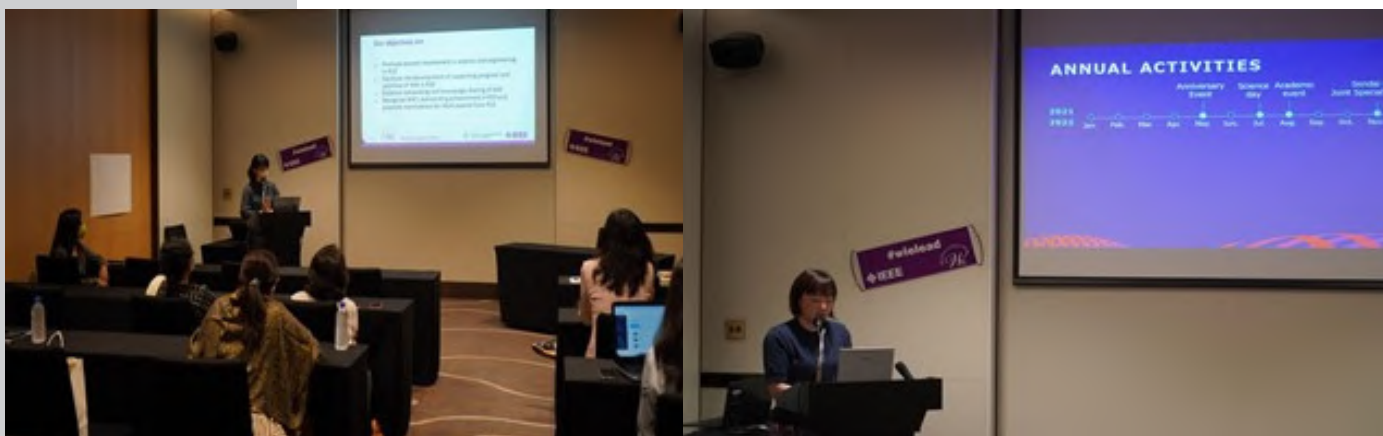
This discussion also aimed to reduce the gap in HR knowledge and mistakes during interviews, the CV-making process, and all related job opportunities in engineering and IT companies. Also, about the working opportunities, such as remote working, short-term employment, hybrid working, career-changing, etc. The YP Track offered a networking opportunity for Young Professionals and strengthened YPs' network to communicate directly and casually.



Women In Engineering (WIE) Track

The R10 WIE Committee organized 4 sessions, some of which were exclusively designed for female engineers and professionals to discuss strategies to deal with issues relevant to their careers, challenges of work-life balance, and scarcity of female leadership in academia and industry. In one session "WIE Meet/Round Table discussion", distinguished female speakers discussed best practices, challenges, and opportunities from their professional careers and how IEEE had helped them. Throughout the congress WIE volunteers were grouped into various teams to deliberate on key goals of WIE – Retention, Recognition, Mentorship, Leadership, and Collaboration and came up with recommendations for R10 to implement in its WIE program. The exercise created an opportunity for discussion to inspire delegates and live audiences for innovation facilitated knowledge sharing and provided support through highly interactive sessions designed to initiate discussion and foster collaboration. The session on "Problem Solving - Empowering Women for Relevance" focused on introducing professional career development skills for women and enabling women engineers and researchers to reach their full potential and shine. The expert panel also discussed how to support and encourage the next generation of WIE members to move forward together.

Program	Speakers
Session Chair	Sudipta Chatterjee (IEEE Kolkata Section)
	Khanita Duangchaemkarn (IEEE Thailand Section)
Welcome and Brief Introduction of R10 WIE	Emi Yano (IEEE R10 WIE Chair)
Showcase of the WIE Activities in Seoul Section WIE AG: Women's Activities and Roles in the Future Technology based Society	JeongYon Shim (IEEE Seoul Section WIE Chair)
Success Stories sharing	Foram Rajdev (IEEE Gujarat Section)
	Supavadee Aramyth (IEEE Thailand Section)
WIE Meet/Round Table discussion (IEEE R10 WIE Subcommittees)	Aishwarya Bandla (IEEE Singapore Section)
	Akila Wijethunge (IEEE Sri Lanka Section)
	Dewi Yanti Liliana (IEEE Indonesia Section)
	Pooja Sharma (IEEE Madras Section)
	Khanita Duangchaemkarn (IEEE Thailand Section)
	Foram Rajdev (IEEE Gujarat Section)
	Shanza Khan (IEEE Karachi Section)
Problem Solving - Empowering Women for Relevance	Moderator: Aishwarya Bandla (IEEE Singapore Section)
	Takako Hashimoto (IEEE Tokyo Section)
	Nia Kurnianingsih (IEEE Indonesia Section)
WIE Competition : Team Bonding/ Brainstorming for a given problem solving as a WIE AG/Volunteer	Khanita Duangchaemkarn (IEEE Thailand Section)
	Pooja Sharma (IEEE Madras Section)



Life Members (LM) Track

The IEEE R10 SYWL Congress 2022 provided a platform for Life Members (LM) to share their experience and expertise with fellow LM. LM delegates and other audiences were informed about the significance of the IEEE milestone program and the process of applying for milestone recognition. Hajime Imai, IEEE Tokyo Section LMAG Chair, who was the invited presenter apprised of the following points:

- Definition of IEEE Milestone – the achievement should be more than 25 years old. The milestone honors the achievement and NOT a person or place,
- Procedure for Milestone approval. The proposer must be a current IEEE Member, who needs to obtain sponsorship from the appropriate IEEE organizational unit(s) including a plaque & dedication ceremony. Normally, the time taken is from 9 to 15 months,
- The proposer(s) obtains a permission letter from the owner of the site where the milestone plaque is to be placed. IEEE History Committee appoints an advocate to review the proposal,
- On approval from the History Committee, it submits the milestone proposal to the IEEE Board of Directors for final approval,
- Sponsoring Organizational Unit(s) plan the dedication ceremony

Mr. Asthana, IEEE Region 10 LM Chair made a brief presentation on the activities of Life members at the regional as well as MGA level. He also explained to the participants about the expectations from LMAGs by

Program	Speakers
Session Chair	Hyuckjae Lee (IEEE Seoul Section) Rajendra K. Asthana (IEEE R10 LM Chair)
IEEE Milestone Program	Hajime Imai(IEEE Tokyo Section LMAG Chair)
LMAG Meet with all 23 LMAGs of Region 10	Presentation to IEEE R10 LMAG Chairs by R.K. Asthana Presentation by LMAG Chairs
Panel Discussion : Legacy and Challenge of LMAG	Panelists: Invited Speakers and Presenters

the Region and MGA Board. 23 LMAG Chairs were also invited to present achievements and challenges faced by their respective LMAGs.

A detailed account of the LM track at the SYWL Congress 2022 is also reported under the Life Members Committee Updates.



The evening of Day 2 ended with the Award Night, wherein the various award winners for 2021 were announced. Region 10 ExCom Members as well as the Organizing Committee Members of the Congress were also felicitated for their dedication towards making the vision of the Region a reality.



Day 3 involved sessions on Industry & Technology, Humanitarian Technology Activities, and talks on IEEE & Startup. A meeting was conducted by the Region 10 Director to review the activities of Region 10 with all participating Region 10 ExCom members and committees making a presentation of their activities. The participants were then guided on a tour of Yongmeori Coast and Beach - a natural landscape created by sea erosion of coastal mountains, named for its appearance like a dragon heading into the sea. The traditional lunch with local cuisines was a surprise delight for all the participants. This activity added value to the list of memorable and unforgettable firsts that the participants took back from the SYWLC 2022.



The Congress also hosted a Cultural Exhibition on the evening of Day 3, where all delegates representing IEEE Sections at the Congress were invited to showcase their activities and culture. IEEE Region 10 Director, other dignitaries and all participants went around the stalls, interacted and enjoyed different cultures. This cultural exhibition was followed by a “Culture Night” which involved Multi-Cultural Performances by the participants showcasing their culture. Attendees exhibited their talents through dance, songs and various art forms. The evening was an amazing experience for the participants, encompassing memories to cherish forever.



The R10 SYWL Congress 2022 was supported by:

- IEEE Seoul Section SAC
- IEEE Young Professionals
- IEEE Women In Engineering
- IEEE Humanitarian Activities Committee
- IEEE Young Professionals Power and Energy Society
- IEEE Region 10 Membership Development Committee
- Iron Bottle
- Samsung Electronics
- I.V Solution
- Korea Tourism Organization.

IEEE Region 10 Humanitarian Technology Conference (R10 HTC) 2022

Sree Lakshmi Gundebommu, Newsletter Chief Editor for IEEE Hyderabad Section

IEEE Region 10 Humanitarian Technology Conference (R10HTC) 2022, organized and hosted by IEEE Hyderabad Section, was held from 16th to 18th September 2022 at HICC, Hyderabad. The theme of the conference, “Internet of Things (IoT) and Industry 4.0 – a world of engineering challenges” drew special attention to the societal expectation of humanitarian technologies’ ability to provide practical and lasting solutions. The conference promoted discussions and development of electrical, communication, computing, security, and disaster relief areas to present results of recent advancements in technology in order to help improve the lives of the impoverished. It also had plenary talks, keynote addresses by reputed academicians, tutorials and workshops by domain experts, research paper presentations, events for Women in Engineering and Young Professionals, sessions on entrepreneurship and innovation, industry exhibits, and booths.

The conference also had the IEEE R10 Professional Activities track on technology-based solutions combined with the building of local capacity, and IEEE R10 Educational Activities track on innovations in higher education and technology-enhanced learning. IEEE R10 Special Industry Conclave took place on the 2nd day of the conference with the theme “Fostering Industry/Academia Networking under Vibrant Industry 4.0 Landscape”. LMAC track addresses the benefits of Life Member membership activities and funds. Many eminent professionals attended the conference, including K. J. Ray Liu (President of IEEE), Shri Jayesh Ranjan (IAS Principal Secretary IT E&C, Government of Telangana), Deepak Mathur (Director of IEEE Region 10), Jan Hasse, Takako Hashimoto, R. K. Asthana, K. M. M. Rao, Preethi Bajaj, Sanjay Kar Choudary, and Prerana Gaur. The conference general chair Amit Kumar and the technical program chair Mousmi Ajay Chaurasia led the conference organizers to ensure the conference is a grand success in every aspect. There were 175 numbers of participants in the event in total.



IEEE R10 Young Professionals 2022 Funding Projects & Activities

Mayesha Tafannum, Lead Coordinator (Communications & Awards) & Mohammed Hussein, Lead Coordinator (SYP Transition)

Several funding opportunities have commenced, and a series of activities have been initiated and carried out under the wing of the IEEE R10 Young Professionals Committee this year.

With the notification of the new committee, on 26th February 2022, IEEE Region 10 Young Professionals 2022 had its first Virtual Committee Meeting, where the Chair, Dr. Saaveethya Sivakumar, shared the road map for the year 2022 and all the lead coordinators and committee members shared their initiatives and plans for the year 2022.

In early March, a call for IEEE R10 Young Professionals Student - YP Joint Activity Fund 2022 - Round 1 was announced. A total of 3 Sections were selected as winners of the fund. These funded activities were conducted over the past couple of months, which are: "Frontiers in Computing and its applications" by Bangalore Section YP, "IEEEpreneur: A platform to transform Idea to Product" by Hyderabad Section YP (in collaboration with India Council) and "YoungFest'22" by Karachi Section YP.



By the end of March, a call for the second Funding Project by IEEE R10 YP was declared, which was IEEE Region 10 Young Professionals UpSkill 2022. IEEE Region 10 Young Professionals UpSkill aims to initiate professional development activities at the section and council level for young professional engineers and provide a platform to enhance their soft skills for a successful career.

The following were the IEEE Young Professionals Affinity Group & Council qualified for the UpSkill Fund:

- Karachi Section - Shaping the Future by gaining UpSkill
- Sri Lanka Section - UpSkill: Commit Innovate Inspire
- Kerala Section - iTripleEcon Series for Volunteer Benefits
- India Council - Reinventing the Engineer: Society, Self and Beyond
- Kharagpur Section - UPSKILL: EnMed

The UPSKILL 2022 events were conducted between July – October 2022.

Consecutively, the Call for Nominations for the two varieties of R10 YP Awards was publicized in March:

- R10 Young Professionals Outstanding Section Affinity Group Award: The purpose of this award is to recognize the achievements and activities of one best outstanding Young Professionals Affinity Group in Region 10. The winner of this award for 2022 was the IEEE Kerala Section Young Professional Affinity Group.

- R10 Young Professionals Outstanding Volunteer Award: The purpose of this award is to encourage the high-spirited volunteerism and contributions of individuals and showcase their initiatives that have benefited academia/industry. The nominators could submit applications in two categories. The winners of this esteemed award of 2022 were:
 - Dhammika Marasinghe, IEEE Sri Lanka Section - R10 YP Outstanding Volunteer (Industry Category)
 - Li Yongfu, IEEE Shanghai Section - R10 YP Outstanding Volunteer (Academia Category)

The call for proposals for IEEE R10 Young Professionals Special Support Fund was notified at the beginning of April. IEEE R10 Young Professionals Special Support Fund is designed to provide financial support for newly formed or dormant Young Professionals (YP) Affinity Groups (AGs) of Region 10 to kick start activities to increase local volunteers' engagement, satisfaction, and consequently gain enough momentum to function as a fully sustainable Young Professionals Affinity Group(s). This year the Special Support fund is awarded to the proposal, "IEEE Australia and New Zealand Students and Young Professionals Congress", by IEEE Australia Council. The activity was held on the 1st and 2nd of October 2022.

The committee's first virtual training event was held on 24th April 2022, spotlighting the topic: Awards and Funding Program Briefing via Webex meet. Around 30 participants participated in this training module and exchanged knowledge on how to structure a proposal and the types of events to organize for SYP or Upskill funds. The right things to mention while writing the R10 YP Award nominations. The overall aim was to help attendees submit a winning proposal and be one of the winning recipients of the R10 YP Awards and Funds.

The call for Proposals for IEEE R10 Young Professionals Student-YP Joint Activity Fund 2022 - Round 2 was announced in July. The winners of the second round of SYP Fund are:

- Mentoring Program @ Afternoon Tea Talk MeetUp- IEEE Shanghai Section
- IEEE YP SL StudPro 5.0- IEEE Sri Lanka Section
- Workshop on Career Development in Doctoral Course- IEEE Kansai Section
- IEEE Innovation Nation Malaysia 2022- IEEE Malaysia Section
- Envision, Make, Rejuvenate and Shape Skills & Future with IEEE- IEEE Uttar Pradesh Section
- EMANATE- IEEE Kerala Section
- Two Day seminar on "Emerging Research Topics in Engineering" (ERTE 2.0)- IEEE Gujarat Section
- Career Development Program- IEEE Bombay Section

The duration given to organizing activities was from 1st September to 31st October 2022.

In August 2022, the R10 YP Committee Members excitedly joined the Region 10 members at the premier IEEE Region 10 Student, Young Professionals, Women in Engineering and Life Member Congress 2022 (R10 SYWL Congress 2022), which was held in Jeju Island, Korea, from 11th to 14th August 2022. Among the other tracks at the congress, the YP Track was directed by the R10 YP Team, which included sessions on Technology as an enabler: Bridging the gap in Tech, Enhance the Opportunities with IEEE, Insights from IEEE Publications, Stepping YP, and much more.



This October, the committee's most anticipated event, CLAP, was held from 1st to 2nd October 2022 via Zoom. IEEE Region 10 Young Professionals Career and Leadership Aid Program (CLAP) is a flagship career guidance program that started in 2021, exclusively organized to bridge the gap between Students & Fresh Graduates, and Professionals from Industry & Academia by creating a platform to exchange knowledge and help the future leaders to determine a way forward towards a prospective career.

This year, the aim was to create a bigger impact on the young leadership community by bringing esteemed speakers from all over the world for enthusiastic learners. Over 400 delegates across Region 10 participated in this program over the two days. More details on the event are available at the website: <https://yp.ieeer10.org/career-and-leadership-aid-program>.



Throughout the year, the R10 YP Committee also collaborated with volunteer support to organize

IEEE R10Talk, which is a joint endeavor of the IEEE R10 Industry Relations Committee, R10 Professional Activities Committee, R10 Young Professionals Committee, R10 Women in Engineering Committee, R10 Student Activities Committee, and R10 Life Members Committee focuses on enhancing the awareness of trending topics in the community. The list of events organized under the R10 Talk initiatives is as follows:

- Telstra's journey to 5G and what's next (19th February 2022) - Simon Lumb
- Tech-driven Ubiquity and Mindfulness (12th March 2022) - Prof. Dr. Zubair A. Shaikh
- From Sundials to Atomic Clocks- A Glimpse into the Amazing Journey (26th March 2022) - Dr. Amitava Sengupta
- Soft Robotics and Its Potentials in Industry and Research (2nd April 2022) - Prof. Tan Chee Pin (Edwin) and Dr. Surya G. Nurzaman
- Advancing Diversity and Inclusion in IEEE Technical Activities (9th April 2022) - Dalma Novak
- IEEE Region 10 Highlights (9th April 2022) - Mr. Deepak Mathur
- Reduction of Carbon Footprint-Net Zero Journey (23rd April 2022) - Dr. Saifur Rahman, Prof. Keith Kikkert, and Mr. Sanjoy Mukherjee, Moderator: Prof. Nirmal Nair
- Machine Reading Comprehension & Automatic Question Generation for Low-Resource Languages (14th May 2022) - Dr. Shakeel Khoja
- How to be a Great Leader and Deliver Innovative Products (4th June 2022) - Leslie Martinich
- Mobile IoT at Scale (18th June 2022) - Dr. Prasant Mishra
- Use the brain and not the fingers (06th August 2022) - Prof Franco Malobertir
- Learning over Graphs (17th September 2022) - Prof Ali H. Sayed
- An Industry and Sensors Perspective on Patents and Creativity (15th October 2022) - Christina Schober

IEEE Region 10 Young Professional have had the pleasure of serving its members and supporting initiatives that benefit young professionals and students to ensure a smoother transition of students to young professionals. Stay stunned for more initiatives and projects to be shared!

IEEE R10 Life Members Committee Updates

Updates from the Life Members Committee for 2022

Rajendra Asthana, Chair for IEEE R10 LM Committee

Region 10 Award winners for 2022

- R10 Outstanding Life Member Volunteer award 2022 (Award Plaque) – Dr. Harbans Lal Bajaj, Delhi Section
- R10 Life Member Photography Collection Contest 2022 (Award Certificate + USD200) - C. Satish, Hyderabad Section
- LMAG recognition – 8 LMAGs were recognized for carrying out 6 or more activities during 2022:
 - Kerala LMAG (Chair: Koruthu Varghese)
 - Delhi LMAG (Chair: Dr. Harbans Lal Bajaj)
 - Tokyo LMAG (Chair: Hajime Imai)
 - Hyderabad LMAG (Chair: K.M.M. Rao)
 - Sapporo LMAG (Chair: Kiyohiko Itoh)
 - South Australia (Chair: Don Sinnott)
 - Singapore LMAG (Chair: Gooi Hoay Beng)
 - Nagoya LMAG (Chair: Akira Mizuno)

New Initiatives

During 2022, R10 Life Member Committee introduced the Life Member track in R10 flagship conferences, TENSYP and R10HTC.

- TENSYP was held in Bombay from 1st to 3rd July 2022. There was a 2-hour slot for the LM track. It consisted of the following activities.
 - Welcome to the Special LMAG Session by B. Satyanarayana, General Chair TENSYP
 - Presentation on Life Member Benefits by Rajendra Kumar Asthana, Member MGA-LMC & Chair R10 LMC
 - Talk on Solar Energy in India - Deployment, and Manufacturing by Prof. Juzer Vasi, LSM LMAG, Bombay
 - Engineering Strategic systems by R. Muralidharan, Chair LMAG, Bombay
 - Question & Answer session
 - Session wrap-up by B. Satyanarayana, General Chair TENSYP



- R10HTC was held in Hyderabad from 16th to 18th September 2022. LMC had a 2-hour slot for the LM track as per the following schedule:
 - Welcome to the Special LMAG Session by Dr. Amit Kumar, General Chair
 - Presentation on Life Member and Benefits– Rajendra Kumar Asthana, Member LMC & Chair R10 LMC
 - Talk on Advances in Medical Image Processing and Internet of Medical Things by Prof. K.M.M. Rao, Chair LMAG, Hyderabad
 - Panel discussion on "How life members can give back to IEEE". Panelists were Prof. N V Rao, LM, Hyderabad; Dr. Deekshatulu, LM Hyderabad and Moderator Rajendra Asthana, Chair R10 LMC
 - Q & A Session
 - Session wrap – Conference General Chair, Dr. Amit Kumar

- LMAG Delhi celebrated its 5th Anniversary Celebration on 14th September 2022, and Region 10 Director, Mr. Deepak Mathur, was Chief Guest. The event was attended by the Section as well as LMAG Officers. The main events were a talk on “One Sun, One World and one Grid” by Mr. S. K. Soonee, IEEE Fellow, former founder, and CEO of Power System Operation Corporation India (POSOCO). It was followed by the awards presentation to R10, MGA, and Section Award winners. R10 Director congratulated the hosts for organizing this wonderful event. He discussed various ways to uplift less active Student Branches. In his address, he also showed ways how to appreciate the work of volunteers and about the awards of volunteers. This was followed by the cultural program, group photo, and networking dinner.



Life Members Track at IEEE SYWL 2022

IEEE Region 10 Student / Young Professionals / Women in Engineering / Life Members (SYWL) Congress 2022 was held at Jeju Island, South Korea, from 11th to 14th August 2022. The venue for the congress was Shinhwa World Marriott Resort, Jeju, South Korea, and the theme for this year's congress was “Sound and Young Influence for World Leading”. On 11th August 2022, R10 ExCom Meeting was held from 9 AM – 1 PM. The opening ceremony was organized from 1700 hours onwards. It included a welcome address by the General Chair and R10 Director, followed by Plenary Session I and a welcome dinner.

The next day (Friday), 12th August 2022, after Plenary Sessions II, III, and lunch, the 1st parallel session on the LM track started at 1330 hours. Prof. Hajime Imai, Chair of LMAG Tokyo, talked about IEEE Milestones. IEEE had more than 240 IEEE Milestones with 45 Milestones in R10. Japan has the highest with 38 Milestones, India with 4 Milestones, and Australia with 1 Milestone. He elaborated on the identification of Milestone, the very exhaustive proposal paperwork evaluation, and approval. This was followed by the R10 LMAG meeting at 1400 hours and continued up to 1530 hours during the 2nd parallel session from 1600 to 1800 hours. During this session, Mr. Asthana, Chair of the R10 Life Member Committee, made a presentation on LMAG Management & Procedures. This included all aspects related to LMAG; activities permitted to be carried out by LMAGs, LMAG probation, dissolution, LMAG officer's roles and responsibilities, reinstatement, financial support to LMAGs by Region/MGA, awards instituted by R10 and LMC to recognize LMAGs as well as individual Life Members and expectations from LMAGs.

The presentation on LMAG was followed by a presentation by LMAG Chairs. Dr. Naohisa Ohta made a presentation on LMAG Tokyo, Mr. Koruthu Varghese talked about activities by LMAG Kerala and how he achieved the highest number of activities in 2021, Dr. Harbans L Bajaj talked about LMAG Delhi's strategy to.

achieve second highest activities in R10, and Mr. Sundaresh Subramaniam presented for LMAG Madras.

After deliberations, it emerged that significant issues faced by LMAGs are aging/health issues of Life Members, lack of interest of LMs due to various reasons, and the fact that most of them want to lead retired life instead of getting engaged in IEEE or other activities. LMAGs also felt that the rebate being offered to LMAGs was meager and not enough to organize activities. Besides, most of the LMs are also not very conversant with VTools. It was felt that LMAGs need support in the above areas to record better activities. LMAG track's 2nd parallel session ended at this point.



PRESENTATION BY LMAG TOKYO, KERALA, DELHI AND MADRAS CHAIRS

During the award night on the same evening, starting at 1815 hours, the following Life Members were awarded Regional Awards. The R10 Outstanding LM Volunteer award 2022 certificate was presented to Dr. Harbans L Bajaj, Chair for LMAG Delhi. This was followed by certificate presentations to LMAGs who carried out 6 or more activities during 2021. The first certificate was presented to Kerala LMAG for carrying out the highest number of activities (70) in R10, followed by LMAG Delhi for the second highest number of activities (44), and the third was LMAG Tokyo with 24 activities. Other certificates were presented to Hyderabad LMAG, South Australia LMAG, Sapporo LMAG, Singapore LMAG, and Nagoya LMAG.

On 13th August 2022, after plenary session IV, the 3rd parallel session LMAG track started at 1000 hours. The session started with a technical talk by Dr. Harbans L Bajaj, Chair for LMAG Delhi, on climate change. He described various natural happenings causing climate change. He introduced the concept of Net Zero emission as a catchphrase in a global attempt to stop climate change. Another technical talk on video coding of machines by Mr. Ambarish Natu (Australian Capital Territory Section) followed. He started with traditional coding methods, and with the rise of machine learning applications, derived the concept of video coding of machines. The talk covered architecture, use cases, current work being progressed, and so on.



PRESENTATIONS BY DR. HARBANS L BAJAJ (DELHI), AMBARISH S. NATU (AUSTRALIAN CAPITAL TERRITORY), SUNDARESH SUBRAMANIAM (MADRAS) AND DR. TADASHI TAKANO (TOKYO)

The next talk on spin-off technologies research in India was delivered by Mr. Sundaresh Subramaniam, Chair of LMAG Madras. He talked about technologies developed by the armed forces in defense research in India for social benefits. Some of the technologies he mentioned are “STENTS” used in heart surgeries at affordable prices, technologies adopted for developing artificial limbs, human disposal systems developed for high altitude military camps, and so on. The fourth and final talk on industry and technology in space travel was delivered by Dr. Tadashi Takano, Past Chair for LMAG Tokyo. He talked about the history of semiconductors and state-of-the-art technologies for the future. This ended the LM track at SYWL Congress. Team bonding activities, in the form of a visit to the beach, followed this. It was followed by a culture exhibition from 1700 hours, culture night from 1830 hours, and dinner.



2. KNOW YOUR R10 VOLUNTEERS

R10 WIE Volunteer – Pooja Sharma [Madras Section]

Miss. Pooja Sharma is a committee member of IEEE R10 WIE, Secretary of IEEE Madras Section WIE, and Co-Chair for IEEE YESIST12 Junior Einstein Track. She leads and mentors many students and young professionals in improving their skills and working towards IEEE and its technical societies. IEEE is one of her inspirations where she learns and contributes a lot to society.

She has been an active IEEE volunteer since 2016, having bagged the prestigious IEEE MGA Young Professionals Achievement Award 2021 for outstanding contributions to Young Professionals and WIE activities at the Section and Region levels; Richard E. Merwin Scholarship 2017 for outstanding contribution to IEEE Computer Society; and Grace Hopper

Celebration India Scholarship (GHCI17) for outstanding Women in the Computing field. She is an IEEE Volunteer Leadership Training (VoLT) Graduate 2021 and also has completed the 6 weeks training - STEMCOM Powering Future Women Leaders Professional Development organized by Alan Alda Center for Communicating Science, in partnership with South Asia Gender and Energy Facility (SAGE) and the World Bank and IEEE WIE. She has also received a "Professional Achievement Certificate" from IEEE Madras Section for excellent volunteering.

She has a great grasp of technical activities, too. She won the 1st Prize in IEEE Madras Section for Student Project Funding for the project "Development of Robot Hydro-Jitter Cum Cutter for Replacement of Manual Scavenging." She has enthusiastically started volunteering as an initiative lead. She has organized National Level Technical Symposiums and workshops on 'Women in Technical Fields', 'IEEE Membership Awareness Programs', etc. She has also given talks in various sections on Best Tips for writing a Great Resume, Tips for effective email writing: Making the first impression, Building the Block of the profile, how to crack the scholarship, Volunteering with IEEE, and many more with more than 3000+ participants. She has also trained 20+ interns from IMO- Virtual Internship Program on "Conflict Management."



She is a Quality Associate Engineer at Facts Republic. She has over 3 years of working experience as a Component Engineer in the Manufacturing Industry. She holds a Master of Communication Systems and a Bachelor of Electronics & Communication Engineering from S.A. Engineering College. She won the “Best Outgoing Female Student Award” at S.A. Engineering College 2018 and is an inspiration to many of her juniors in the college.

She has shown great interest in organizing and volunteering for activities in her Student Branch, Section, and national level, and that’s the reason she got selected as an IEEE WIE representative from Madras Section for R10 - SYWC 2018. She was the networking session coordinator of IEEE R10 SYWLC 2020 (Student Track- Virtually). Recently, she was the session chair for IEEE R10 SYWLC 202 (WIE Track) for the panel on “Problem Solving- Empowering Women for Relevance.” It was mainly on problem-solving for empowering women aiming to enable women engineers and researchers to reach their full potential and shine. She also conducted a networking activity on “Team Bonding/ Brainstorming for a given problem solving as a WE AG/Volunteer.” It was aimed at team building and brainstorming for given problem-solving as a WIE AG/ volunteer to expand our horizons and envision our future through interactive sessions.

Some of the highlighted section/regional events which have been volunteered are IEEE WIE ILC, IEEE WIE ILC, YESIST12 2019 – 2022, IEEE MASCON 2021, KNOW YOUR IEEE, IEEE WIE Returning Mother Conference 2021, Connecting the Dots with IEEE Madras WIE, IEEE WIE Project-Based Learning School Camp 2021, IEEE R10 Young Professional Upskill Madras 2021, HighPreneur - IEEE Entrepreneurship Kickstart Program, STEP 2020 - Discovering Your Professional Future 2020, IEEE TEMS Industry Forum – Madras, Navigate your Career during COVID-19, IEEE TEMS and Young Professionals MeetUp 2019, IEEE SMART Village - Humanitarian Activities, Revolutionary Opportunities in Industries - Education 4.0, Quarter Tech Talk Table 2.0, 3.0, 4.0 and many more where her contributions were noteworthy as she was managing many tasks smoothly. She had shown a huge potential to grow into an enthusiastic and talented volunteer. She is a keen learner and an excellent team player. Apart from volunteering, she is the mentor for many students guiding them toward their careers, scholarships, women empowerment, etc.

R10 YP Volunteer – Mayesha Tafannum [Bangladesh Section]

Being an introverted person looking for a comfortable place to work on her communications skill, Mayesha Tafannum became an IEEE Member in 2017 while she was a second-year student at the North South University (NSU), Bangladesh. Beginning as a Content Writing Volunteer at IEEE NSU Student Branch, she has showcased her enthusiastic characteristics and leadership skills through diverse volunteering roles in IEEE since 2017.

During 2018-2020, she volunteered as the Public Relations Coordinator at IEEE NSU SB and the Secretary of the IEEE NSU Power & Energy Society SB Chapter. During that period, she contributed to recruiting several members by actively advocating the benefits of joining IEEE and IEEE PES through membership campaigns. In her Section, she energetically engaged volunteers to partake in different activities by the IEEE PES, and soon enough, she became one of the most diligent PES members from her Section. She has volunteered at the Global IEEE PES Day as the Communications Lead in 2020 & 2021 and other projects by the society. She was the Country Representative for IEEE PES Chapters Student Activities Committee in 2021. She also volunteered in varied roles, which included being the Marketing Assistant at IEEE Day and as well as the Social Media Coordinator at the IEEE Region 10 Young Professionals Committee that year.



She led the IEEE NSU Student Branch (INSB), one of the most vibrant student branches in the IEEE Bangladesh Section, in the 2020-21 tenure as the Chairperson. As soon as the tenure started, the activities halted for some time due to the pandemic. However, despite the circumstances, she and her team knew how to turn challenges into opportunities. They kept engaging in impactful activities by organizing different self-development workshops and webinars and holding small and interactive discussion meetings to stimulate bonding among her volunteers. She motivated her subordinates with gratitude and uplifted them through her encouragement.

Mayesha found her everlasting interest in global networking from IEEE Power & Energy Society when she first became a representative for the IEEE PES Humanitarian Activities Committee in 2018. Consecutively in the following years, she became an ambassador for IEEE Day 2019, IEEE MadC 2019, IEEE PES Day 2019 (recognized as the Best Ambassador), IEEE Smart City Campaign 2019 & IEEE Rising Stars 2021. She found herself in an extensive network of students and young professionals from all over the globe.

Currently, she is volunteering as the Lead Coordinator - Communications and Awards at IEEE Region 10 Young Professionals. At two of the most successful events in the IEEE R10, she took the opportunity to volunteer closely with the team as Information Management and Communications Coordinator at IEEE Region 10 YP Career and Leadership Aid Program 2021 and Publicity Committee Member at the Sparklers Summit 2021.

Mayesha Tafannum is a Computer Science and Engineering graduate currently working as the Officer - Information Technology, Digital Business Services at HSBC. Previously she worked at the IT Department of the country's top brokerage house - UCB Stock Brokerage Limited. She is admired and appreciated by her colleagues and clients for her extensive communication skills, hard work, and friendly personality. According to Mayesha, IEEE has helped her to reshape her career, as well as herself.



RECEIVING SPOT AWARD FROM THE MD & CEO OF UCB STOCK BROKERAGE LTD FOR AN OUTSTANDING PRESENTATION ON 4IR

R10 Life Member Volunteer – Tadashi Takano [Tokyo Section]

Tadashi Takano received B.S., M.Sc., and Ph.D. degrees in Electrical and Electronic Engineering from the University of Tokyo in 1967, 1969, and 1972, respectively. In his M.Sc. thesis, he researched a microwave resonator using superconductivity and verified quite a high Q and several non-linearities. In his Ph.D. thesis, he changed the research topic to an integrated optical modulator as the next generation of communications was expected to be based on optical techniques. He found quite different characteristics of wave propagation in an integrated optical waveguide by experiment and analyzed the dependency on materials and size. The phenomenon was later known as a plasmon.



In 1972, he joined the Electrical Communication Laboratories (ECL) of Nippon Telegraph and Telephone Public Corporation (currently NTT). He wanted to contribute to social benefit through actual telecommunication systems, so he selected the Transmission System Development Division instead of the Research Division in ECL. He was surprised that he was assigned to the Antenna Section and was requested to clarify the characteristic degradation of antennas that had been already installed in a microwave repeating system. As he had no experience in antenna engineering, he measured all the antennas by his method. Finally, he verified the cause of the degradation by experiment and later by

analysis. At this point, he was sent to the Research Center of the German Federal Post in Germany to study antennas and met related researchers from 1975 to 1976. Returning to Japan, he was assigned to the NTT Research and Development Bureau, which manages the R&D planning, financial budget, and human affairs of ECL. After that, he studied NTT's high-speed communication network.

In 1984, he moved to the Institute of Space and Astronautical Science (ISAS) in Japan, where he was a Professor of Radio Tracking. He engaged in the operation and research work related to Japan's largest antenna, 64 meters in diameter. This work included the collaborative radio science experiment on Neptune's atmosphere with NASA using the deep space explorer Voyager 2 and the world's first VLBI experiment using a satellite in orbit. He was also the system manager of a solar exploration satellite and manager of the extendable antenna subsystem carried by the world's first VLBI satellite. Meanwhile, he continued basic research on antennas while educating students. From 1987 to 1988, he was sent by the Ministry of Education to NASA's Jet Propulsion Laboratory in the USA.

As he had a solid intention to utilize space activities for human benefit, with two collaborators, he founded the Society of Space Missions within the Japan Society for Astronautical and Space Science, which is the world's first society specializing in mission investigations rather than in the methods or results of space research. He was invited to join the Society of Solar Power Satellite Research that Prof. Nagatomo of ISAS had led. He contributed to it based on antenna technology to become the Representative Manager. In 2009, he founded a non-profit corporation, the Society for Space Travel of Japan, with a businessman who founded a travel agency and an economist covering this special technology field.

In 1991, he became a Professor in Electronic Engineering at the Graduate School of the University of Tokyo and gave lectures on space communications and antenna engineering. In 2008, he retired from the University of Tokyo and ISAS and was awarded Emeritus Professorship. In the same year, he moved to Nihon University as Professor. He is now a Fellow Researcher at the same university. As described above, he changed research topics several times, extending his work from basic research to social applications. He enjoyed this but now thinks it might have been better to focus on a more limited range of topics to obtain tremendous success. As for executive activities, from 1996 to 1997, Prof. Takano served as Chair of the Measurement Group of IADC, which aims to analyze and mitigate space debris in orbit. From 1997 to 2000, he was General Chair of the International Symposium on Antennas & Propagation (ISAP) 2000, where he established a collaborative framework with the corresponding institutions of IEEE AP-S in the USA and AP2000 in Europe. It was a great success commemorating the millennium year 2000. At the same time, he promoted the global relocation of ISAP venues by holding the first Japan-original conference in a foreign country. Later, ISAP was held annually in countries in the Asia-Pacific region. From 1996 to 2020, he served on the executive committee of IEEE LMAG-Tokyo, and in 2020 had the opportunity to arrange the 10th Anniversary of the LMAG-Tokyo foundation as the LMAG-Tokyo Chair, for which LMAG-Tokyo was later awarded the 2021 IEEE Life Members Affinity Group Achievement Award. He was awarded a Life Member Shirt Award by IEEE R10.

He served as Chair and member of many governmental and public organizations. Also, he served as Chair and committee member of many academic conferences and meetings. He was the editor of journals of the Institute of Electronics, Information and Communication Engineers (IEICE) of Japan and the Japan Society for Aeronautical and Space Science. He is currently the chief editor of the Space Engineering Series published by Corona Publishing Co., Ltd.

He has had 14 books published, some of which were co-authored, 122 journal papers, 247 papers in foreign conferences, 370 papers in domestic conferences, and many lectures and explanatory materials. He received the 1975 Yonezawa Award and the 1992 Excellent Paper Award, both from IEICE, the 1983 President Award and Kajii Award from NTT, the 1998 Prize of the Japan Society for the Promotion of Machine Industry, and the iWAT2010 Best Paper Prize. Prof. Takano is a member of IEEE (Fellow), IEICE (Fellow), Institute of Electrical Engineers of Japan, URSI, Japan Society for Aeronautical and Space Science, Japan Rocket Society, Space Solar Power Research Society (Director), Society for the Space Travel of Japan (Chairman of the Board), and Japan Space Elevator Association (Adviser).



FIG. 1 STEERING MEMBERS OF THE 10TH ANNIVERSARY OF THE LMAG-TOKYO FOUNDATION (PROF. TAKANO IS THE THIRD FROM RIGHT)

3. KNOW YOUR R10 ORGANIZATIONAL UNITS

R10 Large Section - IEEE Kansai Section

Y. Hata, Chair for IEEE Kansai Section

IEEE Kansai Section was established as the Japanese Section in 1998 and marks its 25th anniversary in 2023. Formerly, IEEE activities in Japan were operated by one organization, Tokyo Section. In November 1998, the IEEE organization in Japan was reorganized into eight sections to improve member services. Kansai Section is one of the eight sections established in 1998, and since then has been contributing to and providing a wide range of member services in the Kansai area, which composes of Osaka, Kyoto, Hyogo, Nara, Shiga, and Wakayama Prefectures. Those services include chapter activities, various awards and presentation events for encouraging younger members, Student Branch activities, technical lecture meetings/tours, and Women in Engineering (WIE) affinity group for supporting women members' activities, etc., including those described below. The number of members in the Kansai Section has increased from 1,300 in 1998 to more than 2,100 as of date.

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Three affinity groups in Kansai Section have been active, sponsoring various events. WIE affinity group yearly holds a WIE symposium with many attendees from all over Japan beyond the Kansai Section. The symposium aims to expand and enhance activities focusing on women members and usually consists of three invited talks by female researchers, including one from NASA, USA, in 2021 and one from Latvian universities in 2022

Young Professional (YP) affinity group yearly holds an event entitled “Workshop on Career Development in Doctoral Course,” aiming to motivate undergraduate and master course students to advance toward the doctoral course. Various professionals from academia and industry are invited to present their experiences in the doctoral course and current careers. YP also plans to hold a new event, “IEEE TOWERS in Kansai,” in October as a relay event of the 19th IEEE TOWERS (Transdisciplinary-Oriented Workshop for Emerging Researchers) in cooperation with committees of TOWERS in Tokyo and Sendai.

Life Members Affinity Group (LMAG) constantly holds a cultural event, “LMAG Salon.” Also, it held a technical lecture tour in collaboration with Technical Program Committee (TPC) for the first time in these three years due to COVID-19. LMAG celebrates its 10th anniversary in 2022 and plans to hold the anniversary event in November.

Another focus area has been on membership development and promotion activities. In January this year, Membership Development Committee (MDC) held an event introducing IEEE Milestone case history in Kansai Section to promote new memberships, especially from the industry domain. The Nominations Committee (NC) holds an event for supporting membership promotion toward fellow grade and senior grades, resulting in a constant and stable number of membership promotions to fellow/seniors every year.

The Kansai Section has won the 2021 REGION 10 BEST MEMBERSHIP RETENTION LARGE SECTION AWARD.

R10 Student Branch– IEEE SIES Graduate School of Technology SB

Biju Balakrishnan, Counselor for IEEE SIESGST Student Branch

Ever since its inception, the IEEE Student Branch of SIES Graduate School of Technology has strived on amplifying intellectually and cultivating an environment suited for intrapersonal evolution for all of its stakeholders. The prime ambition has been and continues to be creating opportunities for the students at the college. IEEE SIESGST has three society chapters, namely MTT-S, Computer Society, and WiE Affinity Group. Over the years, IEEE SIESGST has perennially excelled by bringing new opportunities, from a National Level Technical Fest to Women Entrepreneurship sessions; the wide range of opportunities available for the students adds to the all-around development.

The SB has held numerous events, but Techopedia X, the tenth version of the annual National-Level Technical Festival, which explored the prospects of thrilling debates and leadership skills, mental fortitude, and understanding of the technical world, stands out as one of the most significant ones. A three-day Symposium and academic convention - Epsilon was introduced in 2021 and has completed two editions (2021 and 2022). Topics such as Artificial Intelligence, Machine Learning, Cloud Computing, Quantum Computing, IoT & 5G, Blockchain, and Cybersecurity were covered in these 2 editions. This event had a total of 45 outstanding and illustrious speakers conversing on these topics from all around the globe virtually. Other initiatives include EnigmaTech Sundays- a YouTube video series highlighting the most crucial breakthrough in STEM weekly, and BrainHertz- a Podcast show to discuss exciting technologies. Under the WiE AG, a series of STEM lectures for kids from underprivileged backgrounds are being held every year. This has covered topics like Data Analytics, SAR, UI/UX, LoraWAN, DSA, Robotics, Power Beaming & Space Solar, Web Scraping, and Microwave Theory through seminars and workshops in the past couple of years.

It is humbling to note that for the last two years, the IEEE SB of SIES Graduate School of Technology has received the IEEE Regional Exemplary Student Branch Award in 2020 and 2021. As part of the 2021 Darrel Chong Student Activity Award, Techopedia 9.0 received the Bronze Award. Chair of SIESGST SB, Shubham Mishra, won the Outstanding Volunteer Award 2021 from the IEEE India Council. In 2021, the SB had 109 active IEEE members, which increased to 127 active members in 2022.



R10 Student Branch – IEEE Universiti Sains Malaysia SB

Lim Zhan Hong, Chair for IEEE Universiti Sains Malaysia Student Branch

IEEE Universiti Sains Malaysia Student Branch (IEEE USM SB) was established at Universiti Sains Malaysia in 2009. This Student Branch was initiated at the Universiti Sains Malaysia's Engineering Campus, offering engineering courses. Since its establishment, IEEE USM SB has hosted activities in these four categories: technical workshops and competitions, industrial visits and webinars, volunteering activities, and bonding events. To raise students' interest in the current technological trend, IEEE USM SB has conducted technical workshops and competitions. Makerthon and VR Hackathon were hosted to give students hands-on experience with the technical skills learned. USM SB has also arranged industrial visits to companies such as Hoya, Motorola, and National Instruments. Representatives from these companies have also presented in webinars discussing their technology and work culture. This has allowed students to understand companies' work ethics and practices. This industrial exposure allows students to have a picture of their future careers. It also allows them to narrow their focus to their field of interest in the industrial job field. Apart from technical exposure, the SB has encouraged volunteerism among students. USM SB initiated activities with local schools and orphanages where the committees conducted basic courses on programming and Arduino.

From 2019 to 2021, all activities were conducted online due to the COVID-19 pandemic. Organizing online events has been a challenge initially and indirectly caused low engagement of participants. Nevertheless, several online activities have been conducted with encouraging participation. They included the Photography Contest, Internship Experience Sharing Session, Solidworks workshop, and the Adobe Premiere Pro Workshop, to name a few. Despite the challenges and a reduced number of committee members at the beginning of 2019, we managed to recruit our targeted number of rookies through a series of recruitment activities, such as the Engagement Day Roadshow and the Welcoming Night event.

In alignment with the mission of IEEE, USM SB's activities aim to encourage innovative thinking and implementation of projects among USM students. A sharing session on Sports Engineering was held in

collaboration with IEEE UTMKL Student Branch and supported by IEEE Malaysia to introduce students to the revolution in sports engineering. This session was held on the 19th of November 2021. In this event, two speakers were invited to discuss sports engineering from different perspectives. The first speaker Ts. Dr. Hadifi Fitri Mohd Latip is a researcher in health sciences. He shared his experience and study in sports science, health science, and sports technology. The second speaker Ts. Dr. Mohd Najeb Jamaludin shared the implementation of sensors and electronic systems in biomedical devices and wearables. These devices have advanced applications in sports technology. This is a new area for many participants, and the exposure was valuable to them.

Another event hosted by IEEE USM SB was a webinar on Farbeat Technology. This 'Technology Behind a Beat' webinar was conducted in collaboration with IEEE Monash University Malaysia SB, IEEE UCSI University SB, and IEEE Curtin Malaysia SB on 7th August 2021. In this webinar, Mr. Prasant Mahendran, a final-year student studying Computer and Communications System Engineering at Universiti Putra Malaysia, was invited to share his real-world hardware electronics maintenance experience during

his internship with Farbeat Technology Sdn. Bhd. This event aimed to promote students' curiosity about current technological trends. Participants were prompted to ask questions about Farbeat Technology, website development, HTML, and E-commerce in the event. Eighty participants from different Malaysian universities joined this event.

IEEE USM SB has won several awards during the last few years, which included:

- IEEE Regional Exemplary Student Branch Award 2021
- Outstanding student branch 2019
- The Darrel Chong Student Activity Silver Award 2019
- The Darrel Chong Student Activity Bronze Award 2018



4. SECTION/ SUBSECTION/ COUNCIL ACTIVITIES

IEEE Hyderabad Section

IEEE Hyderabad Section Activities

Sree Lakshmi Gundebommu, Newsletter Chief Editor for IEEE Hyderabad Section

WIE Dinner Mixer with Jenifer Castillo

IEEE Hyderabad Section WIE AG has organized "WIE Dinner Mixer with Mrs. Jenifer Castillo", IEEE WIE Committee Chair on 1st August 2022 at the Plaza Hotel, Begumpet, Hyderabad from 7 PM to 10 PM with 25 participants. All the members interacted with the chair and learned about various WIE opportunities.



Sensors Council Chapters Regional Meeting

Sensors Council Chapters Regional Meeting was conducted on 7th August 2022 at ITC Kohenur, Madhapur, Hyderabad. The event was attended by Dr. Ravinder Dahiya, President of IEEE Sensors Council Chapter and Professor at Glasgow University, Dr. Anil Roy, Vice President of Operations for DA-IICT, Gandhinagar, Gujarat, and Dr. Mitradeep Bhattacharya, Chair for IEEE Sensors Council YP. The meeting also had the distinguished lecture on "High Sensitivity Bio-sensing in Liquids with Resonant Mode Cantilevers BioMems" by Prof. Enakshi Bhattacharya of IIT Madras. 50 participants attended the meeting.

IEEE Women in Engineering International Leadership Summit 2022 (WIE ILS-2022)

IEEE Hyderabad Section WIE AG organized the IEEE WIE ILS from 26th to 27th August 2022 at Marigold, Begumpet, Hyderabad. The event lasted for two days with 4 different tracks: Innovation & Entrepreneurship, Leadership & Empowerment, Emerging Technologies, and Humanitarian. All the talks were inspirational, and over 200 participants attended (virtual and online). There were two-panel discussions on Gender Equity and Sustainability Development and Fostering Women in Leadership. The speakers were drafted from both industry and academia.

IEEE Karachi Section

IEEE R10 SAC Section Student Branch Revival Fund 2022 - LET'S RISE AGAIN

Sadaf Manzoor, Section Student Representative for IEEE Karachi Section

Let's Rise Again'22 was an IEEE event organized jointly by IEEE Karachi Section's Student Activities Committee (SAC) and IEEE IIEE Student Branch, through the IEEE R10 Section Student Branch Revival (SSBR) Fund 2022. It took place at the Institute of

Industrial Electronics Engineering (IIEE-PCSIR), Karachi, Pakistan on Wednesday, 31st August 2022. This event was open to all universities and student branches of the Karachi Section. The collaborative student branches of the event were IEEE UIT Student Branch, IEEE ZUEFSTM Student Branch, IEEE PES NEDUET Branch, IEEE IIEE Student Branch, IEEE DUET Student Branch, IEEE PAF-KIET Student Branch, as well as IEEE HIET WIE AG and IEEE PES MUET.

The event started with the recitation of the Holy Quran followed by our respects to the country by reciting the National Anthem of Pakistan. Moreover, the opening speech by Engr. Dr. Farah Haroon (Principal, IIEE) was delivered with regards to the achievements of student branch revival and heartiest congratulations upon the re-establishment of the IEEE student branch in IIEE. The speech of the Principal was followed by an informative talk titled “What is IEEE and How it Works?”, delivered by Engr. Saqib Munawwar (Member Executive Committee, IEEE Karachi Section) in which he shared the history of IEEE and how it functions in different countries, with various roles played for the betterment of students, societies, and professionals. Afterward, Ms. Sadaf Manzoor (Section Student Representative, IEEE Karachi Section) marked her words upon the “Introduction to Student Activities Committee”, where she explained why SAC is important for students and how it helps develop the qualities of leadership in students to achieve his/her career goals. Next, Engr. Muhammad Faizan (Member IEEE Young Professionals Affinity Group) delivered an informative technical talk titled “Future of Machine Learning and its Engineering Applications” in which he emphasized the importance of machine learning in engineering applications and industries as well as in fusing it with programming logic controllers, supervisory control, data acquisition, etc.

Prof. Dr. Muhammad Shahab Siddique (Chair of the Membership Development Committee, IEEE Karachi Section) gave an interesting talk titled “How, When, and Why to get IEEE Membership”. Students’ engagement in this talk was wonderful with lots of queries regarding IEEE Membership. Afterward, Engr. Parkash Lohana (Chair, R10 Professional Activities Committee) marked his words of wisdom regarding the value of IEEE and emphasized why to join IEEE. He guided the audience by sharing the big picture of IEEE. Later on, Dr. Muhammad Faisal Khan (Chair, Student Activities Committee, IEEE Karachi Section) gave a mentorship session to boost the self-esteem and self-confidence of students. He motivated the students and faculty members in doing volunteer work by joining IEEE. In the end, Engr. Asif Ahmed Memon (Branch Counselor, IEEE IIEE SB) gave a closing speech in which he destined to continue IEEE activities in IIEE throughout the year. He acknowledged the financial support by the IEEE R10 Student Activities Committee along with administrative support by IEEE Karachi Section’s SAC in the revival of IEEE IIEE SB. 150 participants attended the event.



R10 SAC Membership Development and Leadership Training - Student Leadership and Membership (SLAM)' 22

Sadaf Manzoor, Section Student Representative for IEEE Karachi Section

Student Leadership and Membership (SLAM)'22 was an IEEE event organized jointly by IEEE Karachi Section’s Student Activities Committee (SAC) and IEEE SSUET Student Branch, under the IEEE R10 Membership Development and Leadership Training (MDLT) Fund 2022. It was a two-day event that took place at Sir Syed University of Engineering and Technology (SSUET), Karachi, Pakistan on 1st September 2022 (200 Participants) and 21st September 2022 (100 participants).

The first day of the event started with the recitation of the Holy Quran which was followed by a video message from Prof. Dr. Bhawani Shankar Chowdhry (Chair, IEEE Karachi Section) in which he appreciated the organization of such an informative program, SLAM '22. Further, Mr. Hassan Fazil (Project Coordinator, SAC) delivered a talk on "Introduction to Student Activities Committee" in which he highlighted the role of SAC with respect to Student Branches. Furthermore, Prof. Dr. M Shahab Siddique (Chair, Membership Development Committee, IEEE Karachi Section) talks about "When and Why to Join IEEE" in which participants get to know IEEE history, and what IEEE works for. Following this, the panel discussion took place with Mr. Mumtaz Hussain Soomro (Chair, IEEE Young Professional Karachi), Ms. Syeda Dua Zehra (Former Chair, IEEE WIE AG SSUET), Mr. Mudassir Akbar Khan (Former Chair, IEEE SSUET SB) and Ms. Mehak Kanwal (Former Chair, IEEE PES SSUET) as the panelists, where they shared their wonderful journey with IEEE. Afterward, Ms. Sadaf Manzoor (Section Student Representative, IEEE Karachi Section) delivered a talk on "Volunteer Lead Achieve Mission 2022" in which a networking session took place. After this Mr. Rafay Shaikh (Vice Chair, IEEE Young Professionals) delivered a talk on how IEEE is important in grooming students and enhancing their capabilities. Furthermore, Dr. Muhammad Faisal Khan (Chair, SAC) delivered a mentorship and motivational session. The closing remarks of the first-day event were delivered by Dr. Muhammad Amir (Professor and Dean, Faculty of Electrical and Computer Engineering, SSUET and Chair, ComSoc IEEE Karachi Section) in which he expressed his views about IEEE and appreciate the efforts of IEEE SSUET Student Branch.

The second day of SLAM '22 was held at Sir Syed University of Engineering & Technology on 21st September 2022. The event started with the recitation of the Holy Quran.

Ms. Sadaf Manzoor (SSR, IEEE Karachi Section) delivered a talk on the roles and responsibilities of SB's office bearers in which she initially discussed the different levels of IEEE memberships and briefly shared her past experience as an office bearer of IEEE NEDUET Computer Society. Afterward, the "Importance of Leadership Support in Student Branches" talk was delivered by Engr. Tauseef Mubeen (Branch Counselor, IEEE SSUET SB) and Mr. Muhammad Rafay Shaikh (Vice Chair, IEEE Young Professionals). Next, VTools training was conducted by Anas (Vice Chair, IEEE SSUET SB). The closing remarks for the second day of the event were delivered by Engr. Tauseef Mubeen (Branch Counselor, IEEE SSUET SB) in which he appreciated the efforts of the organizing team of the event and give a note of thanks to all the participants and guest speakers.



Data Science Boot Camp Karachi

Muhammad Rabeet Sagri, Executive Committee Member for IEEE Computer Society Karachi

IEEE Computer Society Karachi Chapter along with IEEE NUCES Student Branch organized a 4-Day Data Science Boot Camp Karachi, funded and supported by the IEEE Computer Society Karachi Chapter. The Boot Camp was held from 22nd to 25th June 2022 at FAST NUCES Campus Karachi. The participants were open for physical as well as virtual participation were the top academic and industry experts provided hands-on experience and practical knowledge to the participants. The training sessions of the Boot Camp comprised topics on 'Introduction To Python', 'Exploratory Data Analysis', and 'Machine Learning & Deep Techniques'. Dr. Bhagwan Das, Chairperson for IEEE Computer Society Karachi explained the benefits of

joining IEEE and IEEE Computer Society as a Student Member as well as a Professional Member. A total of 167 students and professionals participated in the Data Science Boot Camp where 30 participants participated physically and the remaining 137 joined virtually from different universities across IEEE Karachi Section.



Data Science Boot Camp - Day IV Closing Group Photographs

IEEE Kerala Section Malabar Subsection

Bi-Weekly Webinar Series

Sabiq P V, Chair for IEEE Malabar Subsection

With the intention of sharing knowledge among students, professionals, faculty members, and common people, Malabar Subsection is organizing a Bi-Weekly Webinar on alternate Thursdays. Upon successful completion of 100 episodes of Weekly Webinars which started during the pandemic COVID 19, Malabar Subsection decided to continue the online mode of talking to share knowledge, with the frequency of the webinars reduced to bi-weekly. This online mode of talk has given an opportunity for students and other techno-enthusiastic persons to spend quality time learning new soft skills through digital devices, media, and other latest technologies. The main benefits of hosting a webinar include building a network among experts, establishing oneself as a trustworthy source, and enabling anyone to participate in the event from a distant location. The bi-weekly webinar series started on 14th July 2022 by Dr. Dileep G, CEO of Advay Power Limited (Start Up) Kerala on the topic of Brain Waves Modelling and Decoding. A total of 6 talks were organized by Malabar Subsection as of now, in which resource persons from different parts of the country delivered the talks on relevant topics. In total 40 participants joined the webinar series.

Webinar	Speaker	Topic	Date	Time
Webinar 1	Dr. Dileep G.	Brain Waves Modelling and Decoding	14th July, 2022	7:30 PM
Webinar 2	Dr. Sreelal S.	Low-Power Smart Electronics for IoT and Aerospace Applications	28th July, 2022	7:30 PM
Webinar 3	Dr. Smithamol M B	Advances in ML and research issues in connection with Facial Emotion Recognition	11th August, 2022	7:30 PM
Webinar 4	Dr. Ebin Dani Raj	Machine Learning Design Patterns	25th August, 2022	7:30 PM
Webinar 5	Dr. Minakshi Memoria	Women's Empowerment with WIE Affinity Group	15th September, 2022	7:30 PM
Webinar 6	Marcelo Schellini	DIGITAL CURATION: Emerging Opportunities of Collaboration for Computational Intelligence Researchers	22nd September, 2022	7:30 PM

IEEE Madras Section

Porkumaran K., Chair for IEEE Madras Section

IEEE STUDENT BRANCH OFFICE BEARERS MEETING AND IEEE DAY CELEBRATION

IEEE Madras Section organized the IEEE Student Branch Office Bearers Meeting on 15th October 2022 at TAG Auditorium, Anna University Chennai. The event, attended by 75 vibrant Section members, was inaugurated by Dr. K. Porkumaran, Chairman of IEEE Madras Section (MAS). He welcomed everyone and shared the Section's activities and valuable events in 2022. Following that, Dr. R. Hariprakash, Secretary for IEEE MAS, addressed the importance of being an IEEE Member. Then, the office bearers meeting kickstarted with Dr. P. Sakthivel (Vice-Chair), Dr. D. Nirmal (Awards Committee Chair), Dr. S. Brindha (Student Activities Chair), Mr. M. Arun (YP Chair), Dr. S. Radha (Treasurer) and Mr. B. Ashvanth (YP Vice Chair) sharing their thoughts and views on empowering and rewarding student branches in terms of awards and opportunities, action plan, newsletter reporting, SB funding opportunities from Section and other IEEE sources, practical tools for student branch and website hosting and other informative content for their student branch upliftment. Eight student branches presented their activities and shared their unique best practices followed at their SBs.

The much-awaited segment of the day which is the IEEE Day 2022 Celebrations followed. About 150 members participated in this celebration. The event started with the welcome address and briefing on the event highlights by Dr. K. Porkumaran, Chairman of IEEE MAS. Dr. P. Sakthivel, Vice-Chairman for IEEE MAS, introduced the Chief Guest. Dr. Vaidehi Vijayakumar, Vice-Chancellor of Mother Teresa Women's University, Kodaikanal delivered the keynote address. Following this, IEEE Madras Section honored Mr. CR. Sasi, senior life member and former chair of the IEEE Madras Section, and Shri. Sundaresh S, Chair for LMAG Madras Section, for their contribution to the Section and society. The celebration was carried forward with the much-awaited cake-cutting ceremony to mark its celebration for 2022. The event then witnessed the young achievers' awards of the IEEE Madras Section in distinct categories for the year 2022 for the members' contributions towards IEEE. Madras Section also recognized IEEE Members with publication awards for those who have published their research articles in IEEE Transactions & Journals. With this, the vibrant celebration and event came to an end.



STEP 2022: SKILLUP TO EMPOWER PROFESSIONAL CAREER

IEEE Madras Section Young Professionals hosted their flagship event, "Step 2022 - Skill up to Empower Professional Career", on 19th November 2022 at Sri Sairam Engineering College, Chennai. Step 2022 was an enlightening event about IEEE opportunities and expanded the benefits of being an IEEE Member. The event was sponsored by IEEE Young Professionals, IEEE Madras Section, IEEE MAS Product Safety Engineering Society, IEEE MAS Photonics Society, IEEE MAS Communication Society, IEEE MAS Computer Society, IEEE MAS Professional Communication Society, IEEE MAS Society on Social Implications of Technology, IEEE MAS Education Society, IEEE MAS IEEE Technology and Engineering Management Society, IEEE MAS Life Member AG, and IEEE MAS Women in Engineering AG. The event started with the inauguration and by welcoming the participant volunteers and speakers who are the event's highlight and by taking the pledge on the code of ethics.

The session started with the eye-opening session of Dr. Porkumaran K., Chairperson of IEEE Madras Section who gave the participants a vision of the opportunities in IEEE. Following this, Dr. R. Hariprakash, Secretary of IEEE Madras, gave a talk on the opportunities in IEEE Madras Section Membership Development

Committee. Mr. Arun M., Chairperson of IEEE Madras Section Young Professionals and Executive Committee member, inspired the students with the funding opportunities in IEEE Madras Section. Dr. Brindha S, Chairperson of IEEE Madras Section Student Activity Committee, gave a talk on the opportunities for students in IEEE MAS SAC. With the fantastic four sessions, the participants were enlightened with another fabulous session, starting with Mr. Sreekanth, Student Branch Counselor of IEEE Student Branch St. Joseph Engineering College and Executive Committee member, sharing about how societies can play a major role in professional growth.

Mr. Shyam, CEO, and founder of Tamilpreneur inspired the audience with his inspirational life incident, shared his thoughts on the changing point of his career, and discussed opportunities for Young Professionals. Mr. Ashwanth, Vice Chairperson of IEEE Madras Section YP, cleared up on soft skills development and workplace culture, which relates to soft skills the most. With a closure, Dr. Chittibabu, faculty at the Indian Institute of Design and Manufacturing and a Senior Member of IEEE, gave a keynote on patents, publications, and research opportunities of IEEE. Vignesh, Mr. Heyram, Ms. Indhumathi, Ms. Angayarkanni, and Ms. Nandhita Kalyanasundaram also had a wonderful interactive session with the participants. Each of them expressed their thoughts and shared their insights on various topics. Finally, the event



ended with Mr. Abdul Halik M I, Secretary of IEEE Madras Section YP, thanking all the participants and volunteers for their presence. The participants gained more knowledge on IEEE and had a great chance to expand their networking. The key takeaways from the event were the benefits of continuing IEEE membership after graduation, what IEEE Young Professionals offers, networking skills, improved knowledge of IEEE among student members, awareness on the opportunities and benefits of IEEE, and various Student Branches collaborating and implementing their active participation.

IEEE New Zealand North Section

Visiting the Sky Tower

Seho Kim, Secretary for IEEE New Zealand North Section

The University of Auckland students had a field trip to the Sky Tower to see the radio equipment. A wide range of equipment used by radio stations, internet service providers, and emergency services was shown. There were 13 numbers of participants on the field trip. The highlight of the trip was the huge 20kW FM radio transmitter broadcasting to the entire city.



5. AFFINITY GROUPS (WIE/YP/LMAG/CNAG) ACTIVITIES

IEEE Karachi Section WIE AG

Isma Farah Siddiqui, Chair for IEEE Karachi Section WIE AG

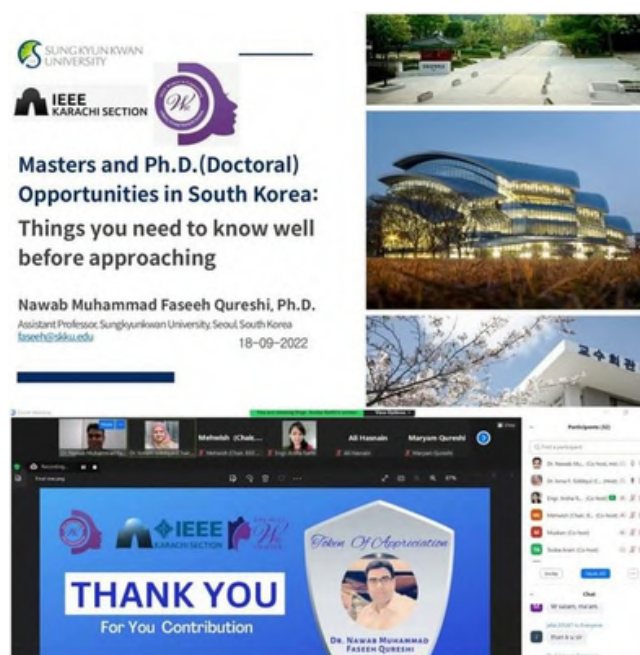
A Cyber Security Workshop on Ethical Hacking Tools using Kali Linux

Cyber Security has now become a necessity due to the massive boom and growth in the era of Industrial Revolution 4.0. The number of threats to internet connected devices has grown right along with the enormous growth in the number of devices themselves. IT Security is the only thing keeping this trend from becoming even worse. Cyber Security is focused on the preservation of the availability, confidentiality, and integrity of the information that passes through this vast interconnected web that is so valuable to society. Expenses resulting from cybercrime have grown exponentially. To put damage in perspective, that's more than the global trade of all illegal drugs combined and much larger than the annual cost incurred from natural disasters. This workshop offered in depth knowledge about IT Security, Cyber Security, and Information Security. It gave an overview of Ethical Hacking Concepts along with hands-on workshop on Kali Linux Tools. This event was held on 22nd September 2022 at Mehran University of Engineering & Technology, Jamshoro, Pakistan with 85 participants.



Masters and Ph.D Opportunities in South Korea: Things you need to know well before approaching

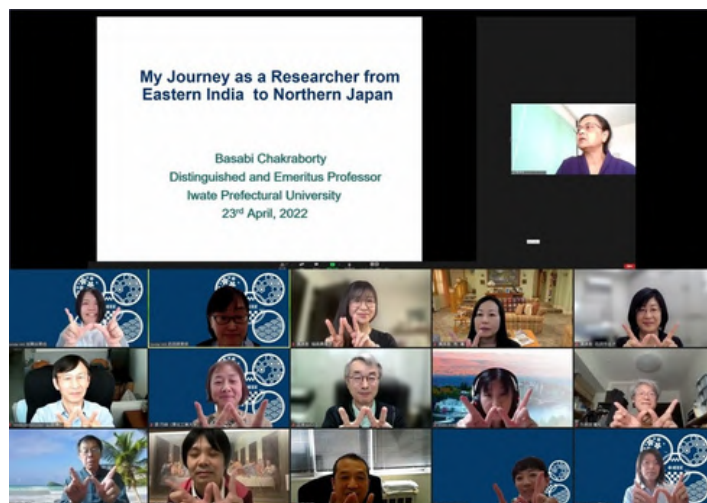
IEEE Women in Engineering seeks to give women a platform, encouragement, and inspiration to succeed in the technical field of engineering. WIE is an initiative to encourage women to pursue careers in science, technology, and engineering by bringing together all men and women who share these goals. IEEE WIE Karachi Section started a series of webinars on unleashing higher education opportunities across the globe. The first webinar series of 2022 was conducted on 18th September 2022 on the topic "Masters and Ph.D. (Doctoral) Opportunities in South Korea: Things you need to know well before approaching" by Prof. Dr. Nawab Muhammad Faseeh Qureshi who is an Assistant Professor at Sungkyunkwan University, Seoul, South Korea via Zoom with 55 participants. This webinar exposes the key factors that open the door to numerous opportunities for prospective students. The worthy speaker discussed various ways to secure funding at South Korean HEIs. The event was highly appreciated.



IEEE Sendai Section WIE AG

The 5th Anniversary Online Event of Sendai Section WIE AG Miho Shidahara, Secretary for IEEE Sendai Section WIE AG

The 5th-anniversary online event of Sendai Section WIE AG was held on 23rd April 2022 with 49 numbers of participants. The event consisted of three parts. In the first part, Mrs. Mio Hamanaka from the National Institute of Technology Sendai College gave a mental health seminar titled "Crying, Laughing, and Living with Anger". In the second part, Dr. Basabi Chakraborty of Iwate Prefectural University, the first Sendai WIE Chair, gave a message titled "My Journey as a Researcher from Eastern India to Northern Japan". In the third part, three special talks were presented, "Unexpected Events Expand Your Boundaries" by Dr. Chikako Ishizawa, Akita University, "Interaction with Virtual Agents and Persuasion Techniques - From a Gender Perspective" by Prof. Kaoru Sumi, Future University Hakodate and "My Career and IEEE Tokyo Shin-Etsu WIE" by Dr. Mamiko Inamori, Tokai University.



IEEE Sendai Section YP AG

IEEE Sendai YP 3rd Anniversary Event

Yasumasa Yamaguchi, Chair for IEEE Sendai YP AG

The IEEE Sendai YP 3rd anniversary event was held at the Sendai International Center on Sunday, 11th September 2022 from 10:30 to 16:00. There were about 12 participants from Sendai, Yamagata, Tokyo, and

Osaka. The event was the first face-to-face event organized by the Sendai YP. The event included a poster session under the philosophy of the IEEE Transdisciplinary-Oriented Workshop for Emerging Researchers, which was held in Sendai in cooperation with the IEEE TOWERS. This session was the first poster session for some young participants because of the COVID-19 pandemic. They introduced themselves with their research poster and exchanged their opinions. There was a general meeting for management in the afternoon. The chair for Sendai YP, Yamaguchi (Graduate School of Information Sciences, Tohoku University) presented the future vision of the Sendai YP, and participants discussed the future activities of the group and their own careers with each other.

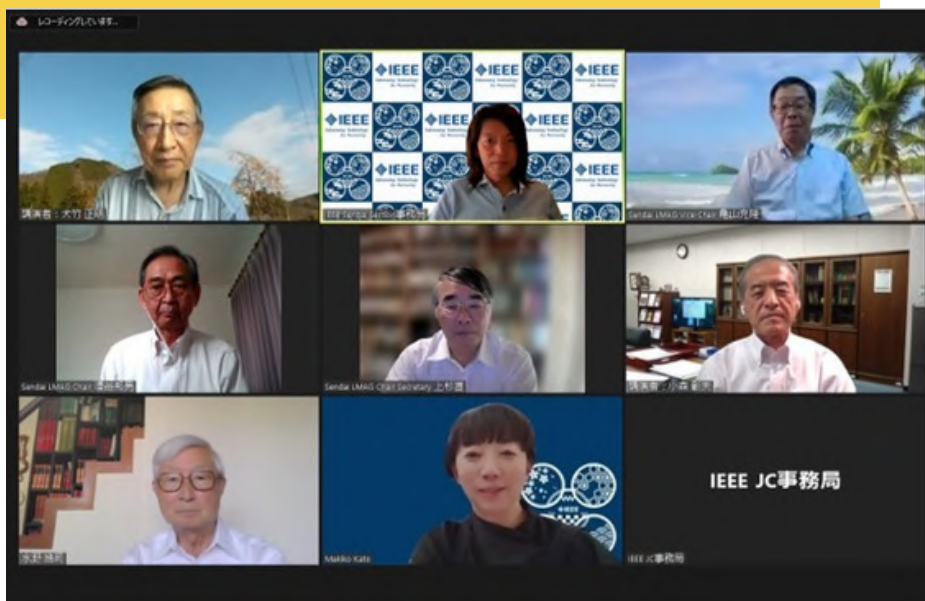


IEEE Sendai Section LMAG

ISendai Section LMAG Meetings on July 2022

Kunio Sawaya, Chair for IEEE Sendai Section LMAG

Sendai Section LMAG held the following online Special Lecture Meeting on 30th July 2022 with 590 attendees. The first lecture, “Current Status and Prospects of Thermonuclear Fusion Research” was presented by Akio Komori (Visiting Professor at Nagoya University). The whole picture of the core plasma physics necessary for thermonuclear fusion reactors is being clarified, and its systematization is in progress, except for the transient phenomena of Tokamak-type devices. Fusion power generation will be realized at an early stage, but in reality, there are still fundamental problems to be solved. The second lecture, “Prospects of Fusion in Space - Issues on Energy and Environment” was presented by Masaaki Inutake (Professor Emeritus, Tohoku University). Both toroidal magnetic fusion and inertia (laser) fusion have recently made big progress. Properties of ultra-high-density plasmas in the sun’s core and the laser implosion are introduced, together with the successful laser burning attained by the NIF device.



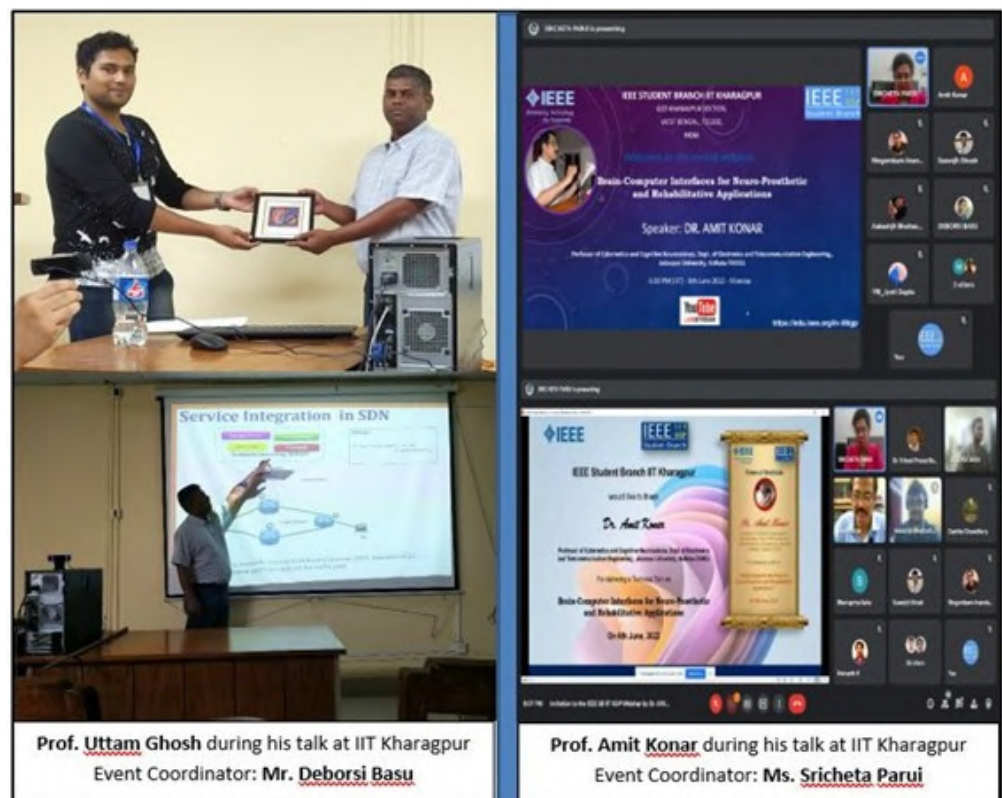
6. STUDENT BRANCH ACTIVITIES

IEEE IIT Kharagpur Student Branch [Kharagpur Section]

Guest Lectures Related to Secure Softwarized Networks and Brain-Computer Interfaces

Deborsi Basu, Chair for IEEE IIT Kharagpur Student Branch

IEEE IIT Kharagpur Student Branch, under the umbrella of the IEEE Kharagpur Section, has successfully organized two significant Invited Guest Lecturers on next-generation advanced digital and secured device technologies. The first talk on “Secure Softwarized Networks for Next Generation CPS and IoT” was delivered by Prof. Uttam Ghosh, Associate Professor of Cybersecurity at the School of Applied Computational Sciences, MMC, TN, USA on 26th April 2022 which was attended by 16 IEEE and 25 guest members. The second talk was given by Prof. Amit Konar, Professor of Cybernetics and Cognitive Neuroscience, Dept. of Electronics and Tele-Communication Engineering, Jadavpur University, West Bengal, India on “Brain-Computer Interfaces for Neuro-Prosthetic and Rehabilitative Applications” on 6th June 2022 which was attended by 42 IEEE and 32 guest members. Both of the lectures witnessed extremely engaging, interesting, and informative sessions. The talks primarily focus on the implications of artificial intelligence and machine learning techniques.



Prof. Uttam Ghosh during his talk at IIT Kharagpur
Event Coordinator: **Mr. Deborsi Basu**

Prof. Amit Konar during his talk at IIT Kharagpur
Event Coordinator: **Ms. Sricheta Parui**

IEEE KARE Student Branch [Madras Section]

Build Your Own Robot

P Aruna Jeyanthi, Counsellor for IEEE KARE Student Branch

Teachers are capable of keeping the students updated with the latest trends and development in the field of robotics. With the objective of updating teachers in the domain of robotics, the IEEE Students Branch of KARE organized two days workshop on "Build your own robot arm" on the 6th and 7th of August 2022 at Sidhharajaa International School, Sivakasi. Dr. P. Aruna Jeyanthi, Counsellor for IEEE KARE Student Branch, welcomed the gathering, and Dr. D. Devaraj, Vice Chair - Educational Activities, IEEE India Council delivered the opening remarks. He emphasized the importance of imparting knowledge on robotics to school teachers. The workshop was inaugurated by Ms. Gnana Gowri, CEO, of Virudhunagar district on 6th August 2022. Dr. V. Vasudevan, Registrar, of Kalasalingam Academy of Research and Education delivered the presidential address. Dr. P. Rajaram, Correspondent, Sidharaaja International School delivered a special address. Dr. M. Krishna Paramathma, Asst. Professor, KARE proposed the vote of thanks. Altogether 50 numbers of participants were in the session.



7. AWARDS & FUNDING

2022 IEEE Region 10 Award Recipients

ORGANIZATIONAL UNIT AWARDS

No.	Award Instrument	Award	Winner
1	Award Plaque & Cash Prize US 1,000\$	2022 Region 10 Outstanding Large Section Award	Pune Section
2		2022 Region 10 Outstanding Medium Section Award	Islamabad Section
3		2022 Region 10 Outstanding Small Section Award	New Zealand Central Section
4	Award Plaque & Cash Prize US 500\$	2022 Region 10 Best Membership Growth Large Section Award	Hyderabad Section
5		2022 Region 10 Best Membership Growth Medium Section Award	Madhya Pradesh Section
6		2022 Region 10 Best Membership Growth Small Section Award	Vietnam Section
7		2022 Region 10 Best Membership Retention Large Section Award	Tokyo Section
8		2022 Region 10 Best Membership Retention Medium Section Award	Sendai Section
9		2022 Region 10 Best Membership Retention Small Section Award	Shin-etsu Section
10		2022 R10 Education Activities Outstanding Group Award	Kerala Section Education Society Chapter
11		2022 R10 Humanitarian Technology Activities Outstanding Section Award	Bangalore Section SIGHT Group
12		2022 R10 SAC Outstanding Student Branch Award	Government Engineering College - Barton Hill, IEEE Student Branch (Kerala Section)
13		2022 R10 Women In Engineering Outstanding Section Affinity Group Award	Gujarat Section WIE Affinity Group
14		2022 R10 Women In Engineering Outstanding Student Branch Affinity Group Award	Gogte Institute of Technology WIE Student Branch Affinity Group (Bangalore Section)
15		2022 R10 Young Professionals Outstanding Section Affinity Group Award	Kerala Section Young Professionals Affinity Group

INDIVIDUAL AWARDS

No.	Award Instrument	Award	Winner
16	Award Plaque & IEEE Membership Fee (Basic*)	2022 R10 Outstanding Volunteer Award	Sivaji Chakravorti (Kolkata Section)
17			Sanjay Kar Chowdhury (Kolkata Section)
18			Daniel Eghbal (Queensland Section)
19			Amit Kumar (Hyderabad Section)
20			N. Kumarappan (Madras Section)
21			San Murugesan (New South Wales Section)
22			Muhammed Kasim S. (Kerala Section)
23			Neha Sharma (Pune Section)
24		2022 R10 Education Activities Outstanding Volunteer Award	No Winner this year
25		2022 R10 Humanitarian Technology Activities Outstanding Volunteer Award	Theerawit Wilaiprasitporn (Thailand Section)
26		2022 R10 Life Member Outstanding Volunteer Award	Dr. Harbans Lal Bajaj (Delhi Section)
27		2022 R10 SAC Outstanding Volunteer Award	Sarath S (Kerala Section)
28		2022 R10 Women In Engineering Outstanding Professional Volunteer Award	Piyapan Hannarkin (Thailand Section)
29		2022 R10 Women In Engineering Outstanding Student Volunteer Award	Guntur Renu (Hyderabad Section)
30	2022 R10 Young Professionals Outstanding Volunteer in Academic Award	Li Yongfu (Shanghai Section)	
31	2022 R10 Young Professionals Outstanding Volunteer in Industry Award	Dhammika Marasinghe (Sri Lanka Section)	

SPECIAL RECOGNITION AWARDS

No.	Award Instrument	Award	Winner
*	Award Certificate	2022 R10 Special Recognition of Student Branch Award	University of Jaffna, IEEE Student Branch (Sri Lanka Section)
*			MES College of Engineering, IEEE Student Branch (Kerala Section)
*		2022 R10 Special Recognition to SAC Volunteers	Garima Patel (Delhi Section)
*			J Ashwin Nair (Delhi Section)

IEEE Region 10 Newly Elevated Fellow Class of 2023

Australian Capital Territory Section	
Daoyi Dong	for contributions to quantum systems control and reinforcement learning
Xiangyun Zhou	for contributions to physical layer security and wireless powered communications

Bangalore Section	
Chandra Murthy	for contributions to Bayesian sparse signal recovery and energy harvesting comms.

Beijing Section	
Bin Hu	for contributions to pervasive affective computing
Chengqing Zhong	for contributions to machine translation and natural language processing
Daniel Povey	for contributions to acoustic modeling for speech recognition
Guoliang Li	for contributions to human-in-the-loop data management and database systems
Haijun Zhang	for contributions to radio-resource management in heterogeneous network
Jun Zhu	for contributions to machine learning and its applications
Lei Guo	for contributions to composite anti-disturbance control systems
Lijun Xu	for contributions to multiphase flow measurement and combustion process monitoring
Song Ci	for contributions to reconfigurable electric vehicle batteries
Wanxing Sheng	for contributions to safe operation and coordinated control of smart power dist. systems
Woogeun Rhee	for contributions to phase-locked circuits and systems
Yao Zhao	for contributions to image/video analysis and multimedia content protection
Yongwei Wu	for contributions to high-performance data storage and data-intensive comp. systems
Yongxing Zhou	for contributions to MIMO beamforming codebooks and smart spectrum in wireless net.
Zhi Jin	for significant contributions to knowledge-driven software development

Chengdu Section	
Zhigang Liu	for contributions to fault detection and protection in high-speed railway power sys.

Daejeon Section	
Changho Suh	for contributions to interference management and distributed storage codes
Kyung Cheol Choi	for contributions to emissive, flexible, and wearable displays
Wonbin Hong	for contributions to millimeter-wave mobile and base station antennas

Fukuoka Section	
Tomonobu Senjyu	for contributions to wind-power generator automation and control
Zenichiro Hara	for contributions to Large-Scale Color Display systems and practical realization

Guangzhou Section	
Kaishun Wu	for contributions to wireless sensing and ubiquitous computing
Ke Tang	for contributions to scalable evolutionary algorithms for large-scale optimization
Ping Shum	for pioneering contributions in optical fiber-based tech and their diverse applications
Tsung-hui Chang	for contributions to dist. opt. methods and their app. in SP and wireless comms
Wei Liu	for contributions to large-scale machine learning and multimedia intelligence
Zibin Zheng	for contributions to blockchain reliability engineering

Harbin Section	
Lixin Tang	for contributions to computational intelligence and applications in manufacturing

Hefei Subsection	
Zuqing Zhu	for contributions to elastic optical networking and network virtualization

Hong Kong Section	
Anthony So	for contributions to optimization in signal processing and communications
Fung Yu Young	for contributions to electronic design automation in VLSI physical design
Jianping Wang	for contributions to resiliency of complex systems
Li Zhang	for contributions to micro-/nanorobot swarms and platforms for translational biomed.
Ling Shi	for contributions to cyber-physical system optimization and security
Shing Cheung	for contributions to testing methodologies and bug management for software

Kansai Section	
Kensuke Harada	for contributions to whole-body manipulation for biped humanoid robots
Masaaki Okubo	for contributions to non-thermal plasma applications for pollution control

Nanjing Section	
Guangjie Han	for contributions to Internet of Underwater Things and Industrial Internet of Things
Guihai Chen	for contributions to large-scale distributed network architecture
Quan Yu	for technical leadership in radio and space-air-ground integ. network technologies
Shilong Pan	for contributions to high-performance microwave-photonics imaging radar

New South Wales Section	
Jingling Xue	for contributions to compiler optimization and program analysis
Kashem Muttaqi	for contributions to modeling and control of renewable and dist. energy resources
Shui Yu	for contributions to cyber security and privacy

Sendai Section	
Takashi Matsuoka	for contributions to laser diodes for optical comms and nitride semicon. for LEDs
Tetsuo Endoh	for contributions to nonvolatile memory and spintronic logic

Seoul Section	
Chang-su Kim	for contributions to video communications and visual processing
Jong-moon Chung	for contributions to consumer wireless comms and networking systems technology

Shandong Subsection	
Chenghui Zhang	for contributions to control of renewable energy systems

Shanghai Section	
Haibo Chen	for contributions to the design and implementation of distributed operating systems
Haojin Zhu	for contributions to Vehicular Networks and Internet-of-Things Security
Hong Chen	for contributions to predictive control and applications in automotive systems
Minglu Li	for contributions to wireless sensor and vehicular networks
Xin Wang	for outstanding contributions to wireless localization and dynamic resource alloc.

Singapore Section	
Andrew Tay	for contributions to hygro-thermo-mech. failure prevention of semicond. packaging
Cecilia Laschi	for contributions to soft robotics
Chunyan Miao	for contributions to multimodal SP and AI tech for aging-at-home and pop. health
Hoay Gooi	for contributions to energy storage in microgrids
Xiaokui Xiao	for contributions to database privacy and graph data management
Zhengguo Li	for contributions to video encoding and streaming optim. and edge-preserving filters

South Australia Section	
Mark Billingham	for contributions to augmented and virtual reality
Pierre Verlinden	for contributions to high perform. silicon solar cell and photovoltaics tech and comm.

Taipei Section	
Paul C.-p. Chao	for contributions to optical bio-imaging and sensing technologies
Yuan-hao Chang	for contributions to non-volatile memory reliability

Tasmania Subsection	
Michael Negnevitsky	for contributions to application of AI tech for control of isolated hybrid power systems

Tokyo Section	
Atsushi Hori	for contributions to the development and manufacture of low-power CMOS
Eiichi Zaima	for leadership in ultra-high voltage transmission tech and international standards
Hideki Ochiai	for contributions to power and spectral efficient wireless communication
Kazuhiro Nakadai	for contributions to robot audition and computational auditory scene analysis
Kenichi Okada	for contributions to millimeter-wave communication circuits design
Masataka Higashiwaki	for contributions to gallium oxide elect. and mm-wave gallium nitride transistors
Shin-ichi Kawamura	for contributions to cost-effective and secure cryptography
Toshiaki Rokunohe	for contributions to eco-friendly compact and reliable high-voltage equipment
Yoshiaki Nakano	for contributions to semiconductor integrated photonic devices and circuits

Uttar Pradesh Section	
Jaleel Akhtar	for contributions to u-wave planar sensors and nano-comp-based u-wave absorbers

Victorian Section	
Christina Lim	for contributions to hybrid fiber-wireless communications technology
Jinho Choi	for contributions to multiple access signal processing systems
Pierluigi Mancarella	for contributions to power system resilience and multi-energy systems
Ying Tan	for contributions to rehabilitation robotics

Wuhan Section	
Chengxiong Mao	for leadership in active control of power systems and its industrial applications
Dongrui Wu	for contributions to fuzzy logic and its applications to controls and decision-making
Qian Wang	for contributions to secure cloud data storage and wireless system security
Yong Kang	for contributions to digital control of inverters and renew. power conversion systems

Xian Section	
Zhaohong Bie	for contributions to power system reliability and resilience

8. OTHER NEWS

IEEE LMAG Delhi 5th Anniversary Celebrations

14th September 2022, India International Centre, Lodhi Road, New Delhi

Dr. Harbans Lal Bajaj, Chair for LMAG Delhi

IEEE Life Members Affinity Group Delhi celebrated its 5th Anniversary on Wednesday, 14th September 2022. The event was organized at India International Center, Lodhi Road, New Delhi. R10 Director, Mr. Deepak Mathur, was the Chief Guest. The function was jointly organized with the Delhi Section. 30 IEEE members attended this event.

Dr. Harbans Lal Bajaj, LMAG Chair, welcomed the participants. Dr. Bajaj thanked Mr. Deepak Mathur for gracing the event. He stated that LMAG is a unique group in IEEE and a win-win situation for Life Members to know each other. He also thanked Prof. Rachana Garg, Section Chairperson, for her and her team's presence and for supporting the event organization.



Prof. Rachana Garg, Section Chairperson welcomed and thanked Mr. Deepak Mathur for his gracious presence and all the dignitaries and members present. She briefly touched upon Section activities held so far. Mr. Vijay Gupta, Secretary LMAG, introduced Mr. S. K. Soonee, Fellow IEEE, who delivered a talk on "One Sun, One World, One Grid". Mr. Soonee is a former founder and CEO of POSOCO, Power System Operation Corporation India, freelance advisor, consultant World Bank, Independent Director, Passionate Power System Operator, and power market specialist. It was a unique presentation with a pre-recorded audio presentation in sync with the content of the slides.



Dr. Harbans Lal Bajaj then talked about LMAG Delhi Award. He mentioned that LMAG Delhi Outstanding LM volunteer award was launched in 2020, where the first winner was Dr. V. R Singh, Vice Chair for LMAG Delhi. The 2021 award winner is Mr. Rajendra K. Asthana, R10 LMC Chair and Member MGA-LMC 2022.

Mr. Asthana informed members present that the new MGA Awards will be launched in 2022. One was LMAG Achievement Award, and the second one was IEEE LM Individual Service Award. Both these awards were

bagged by Dr. Harbans Lal Bajaj, Chair for LMAG Delhi. Mr. Asthana also talked about the two R10 LM Awards in 2022. The first is the R10 Outstanding LM Volunteer Award which was won by Dr. Harbans Lal Bajaj. The second is the R10 LM Photo Collection contest which was won by Mr. C. Satish from Hyderabad Section.



(LEFT) 2021 LMAG OUTSTANDING LM VOLUNTEER AWARD, (RIGHT) 2021 MGA ACHIEVEMENT AWARD TO MR. ASTHANA (LEFT) MGA-LMAG ACHIEVEMENT AWARD 2022, (RIGHT) R10 OUTSTANDING LM VOLUNTEER AWARD 2022)

The distribution of other awards followed this. R10 Director presented the MGA Achievement Award 2021 to Dr. Preeti Bajaj, R10 Membership Activities Chair. It was followed by awards distribution by Delhi Section to Student Branches with the highest membership growth and other volunteers. Mr. Asthana introduced the Chief Guest, R10 Director Mr. Deepak Mathur, to participants. Mr. Deepak Mathur thanked LMAG and Delhi Section for inviting him during the 5th Anniversary celebrations of IEEE LMAG-Delhi. He congratulated the hosts for organizing this fantastic event. He discussed various ways to uplift less active student branches. In his address, he also showed how to appreciate and encourage the work of volunteers and about the awards of volunteers.



The last event was solo songs by Mr. Aditya Mandothia, Mr. Kanwar Aditya, and Mr. Manas Swarnkar, students of IEEE DTU. The performers were presented with mementos by Mrs. Nirmal Bajaj. Prof. Abdul Q Ansari, Exec. Vice Chairman, Delhi Section, thanked everyone at the event with very special gratitude to Mr. Deepak Mathur. The event ended with a group photo and a networking dinner.



CONFERENCE CALL FOR PAPERS

IEEE Region 10 Symposium 2023

Call for Papers and Proposals

TENSYP 2023

6-8 September 2023 | Canberra, Australia



2023 IEEE Region 10
Symposium

tensymp2023.org





IEEE
Region 10



IEEE
ACT Section



UNSW
CANBERRA

The IEEE Region 10 Symposium (TENSYP) is the flagship annual symposium organised by the IEEE Region 10 (Asia Pacific). The theme for 2023 is 'Technology for an Autonomous World'. An autonomous world is transforming industries ranging from automotive, aerospace, insurance to healthcare. The technological innovations in self-driving cars, environment-aware robots and intelligent buildings are becoming a reality and changing our world. Autonomous technology must operate at a high level of performance and reliability, across sensors, processing units at the edge and the cloud, data management and connectivity solutions.

TENSYP 2023 will be held in Canberra, Australia from September 6-8, 2023. TENSYP brings together research scientists, engineers and practitioners from across the region and the world to share their latest ideas. The symposium will showcase high quality oral and poster presentations, as well as Workshops sponsored by IEEE societies. Exceptional papers and contributors will be recognized with prestigious awards.

Topics of interest include
but not limited to

- Aerospace Technology
- Antenna, Microwave and RF Engineering
- Image and Video Processing
- Smart Technologies
- Blockchain/Distributed Ledger Technologies
- Artificial Intelligence
- Cloud Computing, Security and Privacy
- Humanitarian and Social Impacts of Technologies
- Low power VLSI devices, Circuits and Systems
- Telecommunications / 5G and Beyond
- Power Electronics and Systems
- Renewable Energy Technologies
- Control Systems and Engineering
- Systems, Man, and Cybernetics
- Computational Intelligence
- Geoscience and Remote Sensing
- Data Science and Engineering

Important Dates

Special Session / Workshop
Proposals
27 February 2023

Paper Submissions
19 March 2023

Camera Ready Submission
30 May 2023

Registration Opens
30 May 2023

General Chairs

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University of New South Wales, Australia
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- Vamsi Krishna Jadhala
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- Dale Siver
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IEEE Region 10 Humanitarian Technology Conference 2023



IEEE R10 HTC 2023 Humanitarian Technology Conference

IMPORTANT DATES

Paper Submission

Oct 01, 2022

Paper Submission Deadline

Feb 15, 2023

Paper Acceptance

Apr 01, 2023

Camera Ready Paper Submission

June 15, 2023

Conference

Oct 16-18, 2023

IEEE R10 HTC is a premier annual cross disciplinary conference that will bring together technologists, engineers, scientists, investors, representatives from NGOs, governments, academia, and industry throughout the world to present latest research, findings, ideas and application in the area of humanitarian technologies. IEEE R10 HTC 2023, which is organized and hosted by IEEE Gujarat Section, will be held at Marwadi University - Rajkot, during 16th - 18th October 2023. HTC 2023 will be a three-day event with one day of Industry Conclave and two days of technical sessions.

CONFERENCE TRACKS

We invite researchers, educators, industrialists, innovators and scholars to submit original work which may be conceptual, theoretical, or empirical under the conference theme, "Artificial Intelligence and Smart Technology for Humanity".

- **Track I**
Smart Technologies & IOT for Humanity
- **Track II**
Smart City & Smart Village
- **Track III**
Power and Energy
- **Track IV**
Environment and Sustainability
- **Track V**
Disaster Management
- **Track VI**
Agriculture
- **Track VII**
Data Science and Engineering
- **Track VIII**
Applied Areas of Industry 4.0
- **Track IX**
5G Technology for Humanity
- **Track X**
Machine Learning for Humanity
- **Track XI**
Technologies and Innovations in Healthcare
- **Track XII**
AR (Augmented Reality) & VR (Virtual Reality) for Humanity
- **Track XIII**
Entertainment & Computer Gaming for Humanity
- **Track XIV**
Education
- **Track XV**
Security and Surveillance for Humanity
- **Track XVI**
Innovation and Entrepreneurship Track

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PUBLICATION OF PAPERS

Presented papers will be included in Conference Proceedings pending author requirements being met.

INDUSTRY CONCLAVE

IEEE Region 10 Special Industry Conclave is conceptualized to offer a platform of collaboration and networking for Industry Leaders, Research and Academic Professionals, Young Professionals, Practitioners and Women in Engineering. This initiative is aimed to foster skill development required for industries, sessions and internship on disruptive technologies and Industry - Academia collaborations.

STUDENT RESEARCH FORUM

We invite advanced stage PhD work and completed thesis (not older than 6 months), M Tech / M S thesis and undergrad high-level research projects to present and get inputs from experts. This will give these aspiring students a platform to network, improve their work besides exploring post - doctoral opportunities and/or job offers.

FOR MORE INFORMATION PLEASE VISIT
www.r10htc2023.org |
CONTACT US AT : info.htc2023@gmail.com

VENUE
MARWADI UNIVERSITY,
RAJKOT, GUJARAT (360 003)

IEEE International Conference on Automation Science and Engineering 2023



Automation for a Resilient Society

CALL FOR PAPERS

IEEE International Conference on Automation Science and Engineering (CASE) is the flagship automation conference of the IEEE Robotics and Automation Society (RAS) and constitutes the primary forum for cross-industry and multidisciplinary research in automation. Its goal is to provide broad coverage and dissemination of foundational research in automation among researchers and practitioners. IEEE CASE 2023 will be held in Auckland, New Zealand, from 26 - 29 August 2023, and the theme is Automation for a Resilient Society.

Auckland is one of the world's most sustainable and liveable cities with dynamic multi-culture and inclusive communities as well as an innovative hub in the Asia Pacific region. CASE 2023 will be a unique opportunity for attendees around the world to enjoy the stunning views of the New Zealand landscape, experience the passion and diversity of this vibrant city, and learn about the automation-enabled innovation and transformation of agriculture, aquaculture, forestry, manufacturing, infrastructure, and healthcare sectors in Aotearoa New Zealand.



26 - 29 August 2023 | Cordis, Auckland, New Zealand | case2023.org

SUBMISSION OF SPECIAL SESSION/WORKSHOP PROPOSALS AND REGULAR PAPERS

IEEE CASE 2023 invites special session and workshop proposals, regular papers, industry papers and presentation-only papers related to the conference topics, which include but are not limited to:

- Human-centred automation
- Automation in life science
- Sustainability and green automation
- Automation in agriculture and horticulture
- Automation sciences for pandemics
- Healthcare automation
- Smart building and construction
- Knowledge-based automation
- Manufacturing automation
- Cloud-based automation
- Big data, data mining and machine learning
- Privacy and security in automation

KEY DATES

- 15 February 2023:** Special session proposal submission due
- 1 March 2023:** Regular & special session full paper submission due
- 1 April 2023:** Workshop proposal, industry paper & presentation only paper submission due
- 15 May 2023:** Paper acceptance notification
- 15 June 2023:** Final paper submission due
- 15 June 2023:** Author registration due
- 26 - 29 August 2023:** Conference

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2022



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