

## IEEE Sections Congress 2023 Returns as Face-to-Face Event in Ottawa!

IEEE is thrilled to announce that the highly anticipated IEEE Sections Congress is making a comeback as a face-to-face event! This is an exciting moment for IEEE, as Sections Congress provides a unique opportunity for volunteers to come together, connect, and learn about the various tools and opportunities that IEEE offers. It is an invaluable platform for Section chairs to effectively implement these resources and ultimately enhance the experience of our members. [Page 3](#)



## Igniting Innovation: IEEE R10 Members' Commitment to K-12 STEM Education

IEEE Pre-University STEM Portal Grant Program Committee received an impressive 260 grant applications for 2023 showcasing a diverse range of creative and innovative STEM outreach programs. We are thrilled to announce out of the impressive pool of applicants, 43 projects have been selected to receive funding and approximately 79% of these projects originate from IEEE R10, highlighting the region's strong commitment to fostering STEM education. [Page 10](#)

## IEEE R10 Industry Engagement and IEEE - ASEAN Industry Round Table on Climate Change



In a world grappling with the urgent need to address Climate Change, collaboration, and regional partnerships are vital. IEEE R10 proposed a groundbreaking initiative on Industry Engagement, complemented by a proposed IEEE - ASEAN (Association of Southeast Asian Nations) Industry Round Table on Climate Change. [Page 12](#)

## Message from IEEE R10 Zone Representative for North Asia

IEEE's current 10-Region structure was formed back in 1967. After all of Africa was incorporated into Region 8 and Asia Pacific into Region 10 in 1981, a significant demographic transition occurred worldwide, and the Region Realignment discussion was initiated in 2013. Then in 2022, Zone as a "Sub-Region" was introduced for Regions 8 and 10, and the "Zone Representative" role was newly appointed for each Region 8 and 10 to assist and provide an additional voice for members within the Zone. Finally, in the same year, the split of Region 10 and the merger of Regions 1&2 (into new Region 2) were authorized by the Board of Directors. [Page 3](#)

## Message from IEEE R10 Director

If you are reading this article for the first time, thank you for your interest in the IEEE Region 10 Newsletter, where you will find what has taken place, and what will happen within the boundary of the IEEE Asia-Pacific Region.

On the other hand, if you are a regular reader, and you have read the past two editions published this year, I have a question for you, "What is the name of this Newsletter?" [Page 2](#)



### IEEE R10 Robotics Competition 2023

Team Registration

Deadline : 11 August 2023



### IEEE Sections Congress 2023

11 -13 August 2023 @ Ottawa, Canada

Early Bird Registration Deadline: 21 July 2023

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| <b>04</b> Be an Ethics Champion of IEEE Region 10!             | <b>07</b> IEEE WIE Committee Meeting                                |
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# Message from IEEE R10 Director

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I am sure most of you have the answer right – it is called “**Connect**”.

This word means a lot to many. In numerous IEEE member surveys, one of the key reasons that members joined and remained in IEEE is “**Networking**”. This newsletter serves the purpose of providing information on opportunities to connect in the IEEE communities through local and regional events or activities. You are encouraged to watch out for events that are of interest to you, mark them on your calendar, participate either in person or online, get to know your fellow members, and most importantly, stay **Connected!**



The 2023 IEEE Vision, Innovation, and Challenge (VIC) Summit and Honors Ceremony was held on 5 May 2023 at Hilton Atlanta, USA. During the Honors ceremony, 26 awards were given to well-deserved recipients for their outstanding contributions and professional achievements. You can read about the 2023 medalists from [https://www.nxtbook.com/nxtbooks/ieee/awards\\_2023/index.php](https://www.nxtbook.com/nxtbooks/ieee/awards_2023/index.php)

A recording of the ceremony is also available from IEEE.TV at [https://ieeetv.ieee.org/channels/ieee\\_awards/2023-ieee-honors-ceremony](https://ieeetv.ieee.org/channels/ieee_awards/2023-ieee-honors-ceremony)

The **IEEE Medal of Honor** was received by Vinton G. Cerf, widely known as one of the “Fathers of Internet”. Without a doubt, his contributions have revolutionized communication between almost every person and organizations on planet Earth. The medal acknowledged his contribution to “Co-creating the Internet architecture and providing sustained leadership in its phenomenal growth in becoming society’s critical infrastructure.”

Another important Award is the IEEE President’s Award, granted to the Secretary General of the International Telecommunication Union (ITU), Doreen Bogdan-Martin, for her “distinguished leadership and contributions to the public.”

Ingeborg J Hochmair and Erwin Hochmair received the **IEEE Alexander Graham Bell Medal** for “the research, development, and realization of multichannel microelectronic cochlear implants”.

They developed the implant in the late 1970s and co-founded MED-EL, which carries out research, develops, and produces devices that restore the hearing of many, who are otherwise deprived of the ability of hearing, and missing out on important means of communication between one another. Such joy was echoed by Vint Cerf, as he shared that his wife is one of the grateful users of this wonderful innovation. She is now happily connected to the world through voice, sound, and music!

As I write, 2023 marches on. I am sure we all face **Challenges** one way or another. Let us be strong with perseverance, remain **Connected**, and work on **Innovation** together. This will bring ours, and IEEE’s Vision to **fruition**.

***Wishing you all success in the coming months of 2023, and you will join as one of the IEEE Honors Medalists from the Region!***



**Lance Fung**

IEEE R10 Director 2023-2024

## Tap into the Benefits of your IEEE Membership: Get an Extra 50% off eLearning

IEEE has launched a special new additional 50% off eLearning discount for up to three courses available to our valued members. You can unlock access to a wide range of online courses from professional development to technical courses on the latest cutting-edge technologies, there's something for everyone. Whether you're looking to enhance your skills or explore new topics, our IEEE eLearning has got you covered. So don't wait and start learning today!

[Learn More](#)

# IEEE Sections Congress 2023 Returns as Face-to-Face Event in Ottawa!

*Alberto Sánchez, General Chair, IEEE Sections Congress 2023*

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Known for its captivating blend of Anglo-French culture, and language, and being the capital of Canada, Ottawa provides the perfect backdrop for this remarkable event. Notably, the congress will revolve around a theme that has been making headlines in our local news—sustainability. Given the current state of our planet and the pressing issue of climate change, IEEE must enable our leaders to build a sustainable future. Recognizing the significance of this, IEEE MGA has selected "Enabling Leaders to Build a Sustainable Future" as the theme for Sections Congress 2023. The entire congress program has been focused to address this theme, while also encompassing other vital training for IEEE volunteers. I invite you to explore the program sessions on our website at <https://sections-congress.ieee.org/>.

Additionally, one of the objectives of Sections Congress is to provide our dedicated volunteers with a unique opportunity to offer recommendations to IEEE regarding what we believe is essential for volunteers and members. This year, the process involved the submission of statements from each of the 10 geographical regions of IEEE. Each region followed a rigorous process to propose three recommendations that met the criteria of achievability, worldwide relevance, conciseness, and alignment with the Congress theme. These 30 recommendations were carefully reviewed and combined to eliminate any overlaps with past or current Sections Congress recommendations. As a result, we now have a total of 12 recommendations that will be put to a vote during the Congress. The top three recommendations will then be implemented by IEEE, further enhancing our volunteer experience and member services.

The top Recommendations for 2023 are:

- Rec 4 - Increase focus on attracting new members outside of traditional fields
- Rec 7 - Membership Value
- Rec 9 - Provide continuing incentives to volunteers
- Rec 10 - Provide support, education, and processes for working with student chapters & building relationships with sections
- Rec 12 - New Officer Planning Email
- Rec 16 - Role-based IEEE-ID access-controlled storage and management of OU information and documents
- Rec 17 - Publish a database of answers to "Why IEEE?"
- Rec 18 - To establish more links, recourses, and best practices between the IEEE Regions
- Rec 19 - Improve engagement and communication between Societies and Geographic Units to create fruitful benefits for members
- Rec 21 - IEEE Loyalty Program
- Rec 27 - Volunteer Dashboard
- Rec 29 - Continuous Education in the IEEE professional field



I am very excited that we will have the opportunity to meet again after the pandemic. The Sections Congress Committee and the whole governing body of MGA and its staff have worked very hard to bring a consistent, interesting, and useful program for all attendees, which I am sure you will enjoy.

Highlights from this year's program include:

- Over 50 Exhibit Booths
- Climate Change Pavilion
- MGA Lounge
- Dynamic Keynote Speakers
- Local Entertainment

***Hope to see you soon in Ottawa!***

## Message from IEEE R10 Zone Representative for North Asia

*Seishi Takamura ( IEEE R10 North Asia Representative) Hosei University/NTT Corporation, Japan*

New Region 10 shall comprise North Asia, and new Region 11 shall comprise South Asia and Pacific in 2028. The comprehensive history and rationale of Region Realignment are found in the 2023 April issue of Region 10 Newsletter, "Region Realignment Why Will We Divide Region 10 into Two?" by Prof. Akinori Nishihara, Region 10 Director 2019-2020.



Two Regions: South Asia and Pacific ( Orange), North Asia ( Blue)

Actual preparation and planning for the Region split involve many aspects such as Finance, Website, System, Governance document changes, membership, geographic activities, etc. Region Realignment Ad-Hoc Group is actively conducting those. My roles as a Zone representative include:

- Collecting voices from within the Zone. The “compact” time differences in North Asia Zone, which is only one hour (currently, Region 10 has a maximum seven and half hour difference), would greatly help intra-Zone communications.
- Contribution to Region 10 Strategic Planning and New Initiatives Committee (Chair: Prof. Takako Hashimoto, Region 10 Director-Elect), one of whose projects is to launch a successful Region Realignment
- Updating Region 10 Bylaws regarding Zone and Zone Representative descriptions.

The strategic policies and expected outcomes are:

- Strengthening membership activities – to enhance membership and geographic activities in addition to fostering technical activities.
- Collaboration with industry – to forge strong partnerships, leverage resources, and expertise, and drive technological advancements that address real-world challenges as an engineer of industry and, at the same time as a Professor of a university.
- Strengthening regional connectivity – to foster communication and cooperation among all Asian and Pacific members up to Council and Office level, as an ExCom member of Japan Council.

I believe the Region Realignment would mark a significant step forward in enhancing collaboration and strengthening geographic and technical activities. I am committed to supporting the smooth transition of Region Realignment and driving initiatives that benefit our members. Together, we can propel new Regions 10 and 11 to new heights. I invite you all to contribute your ideas, expertise, and energy to these endeavors.

## Be an Ethics Champion of IEEE R10!

*Sudeendra Koushik, Chair, IEEE R10 Ethics Awareness and Advancement Committee*

### Do you want to be recognized as an Ethics Champion of IEEE?

This is a golden opportunity to be the Ethics Champion of IEEE Region 10!

Do take up the IEEE Code of Ethics awareness assessment, organized by the IEEE Region 10 Ethics Awareness and Advancement Committee (EAAC).

If you score 70% or more in this assessment, your knowledge and awareness of the IEEE Code of Ethics will win you recognition.

The target is stiff but we will help you achieve this target. First, please go through the [IEEE Code of Ethics](#) and familiarize yourself with the contents by referring to the link below:-

<https://www.ieee.org/content/dam/ieee-org/ieee/web/org/about/corporate/ieee-code-of-ethics.pdf>

Once you have studied and understood the IEEE Code of Ethics, you are ready to start your [assessment](#) and get a chance to be the "Ethics Champion" of IEEE Region 10.

There is more you can do!

Can you encourage more of your IEEE colleagues/ members from your section to take up this assessment? By doing so, your section could be recognized too.

Do not forget to fill in your details completely and accurately at the beginning of the survey.

For more information about IEEE Region 10 EAAC, please visit: <https://www.ieeer10.org/activities/ethics-awareness-advancement/>

This EAAC program is applicable to IEEE Members in Region 10.

### For Individual IEEE Members

- All IEEE members in Region 10 who take up this survey and score 70% or more will win an "Ethics Champion" Soft-Pin
- If you are in the first 5% of members in your section to score 70% or more, you would also be eligible for an Ethics Champion Physical pin in addition to the soft-pin

### For Sections in IEEE R10

- Any section which achieves 50% or more of their members to take up this assessment would be recognized with a Special Plaque

**The top 5 sections with the maximum number of members who have taken up this assessment will also be recognized with an Exclusive Plaque.**

The final decision on all of the above resides with the IEEE Region 10 EAAC.

The link to the assessment and the QR Code is as below:

### [Link to the Survey](#)



**Submission Due Date: 4 August 2023**

**The result will be notified: By the end of August 2023**

## Person Who Gives Opportunities - Professor Akinori Nishihara

*Takako Hashimoto, IEEE R10 Director-Elect (2023-24)*



Finding role models is crucial for us women developing our careers. Equally important is meeting someone who offers opportunities. Such persons are often superiors at work or, in organizations like IEEE, they are experienced, senior volunteers. They may be male or female. But in Japan, a very conservative country where I built my career, most decision-makers had been men. Within this context, there were certainly not many who encouraged minority women and offer opportunities for our career development. One such person is Prof. Akinori Nishihara. I want to talk about him in this article.

I first met Prof. Nishihara in 2008. It was when I assumed the role of Secretary for the IEEE Japan Council WIE Affinity Group (JC WIE) and started my volunteer activities with IEEE. The newly established JC WIE AG in 2005 was still in its early days, and we'd still explored ways to contribute to the career development of female engineers in Japan. As a committee member of the JC WIE, Prof. Nishihara consistently attended our meetings.

Until then, I had only encountered male superiors who claimed to "support women" but had no visible practical actions. However, Professor Nishihara was the type of senior male I had yet to learn before, expressing constructive opinions in WIE, giving his talk at events, and even helping with event organization. Therefore, meeting a male superior like him was a surprise for me. Later, I was even more amazed to learn that he had founded JC WIE AG.

In 2010, as I was about to complete my third year as JC WIE volunteer, I received an unexpected proposal from Prof. Nishihara to take on the IEEE R10 WIE Coordinator role. Only then were my activities limited to Japan. I was not fully aware that IEEE has 10 Regions, with R10 covering the Asia-Pacific region, and that there are organizations overseeing activities for students and young engineers, not just WIE. At that time, R10 WIE boasted over 6,000 members (now over 20,000), an overwhelming scale and diversity compared to my activities in Japan. I was afraid that I would be unable to do it.

However, Prof. Nishihara sensed my hesitation and encouraged me to "take on the challenge." He pushed me forward when I was anxious and unsure of everything. Thus, my journey as an IEEE global volunteer began. Since starting my activities as R10 WIE Coordinator, I have encountered many obstacles and often regretted taking on such a significant role. But each time, Professor Nishihara encouraged me and valued my activities. I am nothing but grateful.

Looking back, I am surprised that Prof. Nishihara reached out to me, who needed more experience and could have improved at English, and I am impressed by his patience in waiting for my results.

This was the same for Prof. Lawrence Wong, the R10 Director at that time, and other ExCom Members and IEEE friends then. They must have had concerns about my activities, and of course, helped me often when needed. I was fully engaged in progressing my activities, but I made many friends all over the world and gained confidence in the process. When Prof. Nishihara became the R10 Director in 2019, I had the opportunity to serve as Secretary and learn his outstanding skills and volunteer spirit right by his side. I am deeply grateful for that opportunity.

Of course, Professor Nishihara provides various opportunities to not only me but also other female engineers. As a nominator for female engineers worldwide, he has significantly contributed to their elevation to senior members and recommended many women to ExCom.

Prof. Nishihara is a person who truly gives opportunities to women and cultivates their growth. He shows the importance such as - confronting hesitant feelings, accepting initial failures, demonstrating the importance of learning from them and promoting expanding the scope of activities.

His attitude embodies the essence of being an educator and senior volunteer. I continue my volunteer activities with IEEE, aspiring to become like him. Delivering results is essential, but so is giving opportunities and nurturing people. I am confident that the leader who can achieve both is Prof. Nishihara. Lastly, I'd like to mention that IEEE WIE HQ awarded him an Extraordinary Man in 2022 in the IEEE WIE's 25th Anniversary Celebration to recognize his outstanding contributions to female engineers.

### Announcing the 2023 MGA Volunteer Leadership Training Program

Apply for the 2023 VoLT Program today  
The MGA Training Committee is pleased to announce the launch of the 2023 IEEE MGA Volunteer Leadership Training (VoLT) Program.

**Prospective candidates can apply to the program from now until 31 July 2023.**

Click [here](#) to learn more about the 2023 VoLT Program, including application requirements and key dates.

**[Apply Today](#)**

# IEEE R10 Robotics Competition 2023



## Team registration is OPEN!

The second IEEE R10 Robotics Competition 2023 is now open for IEEE Student members, Graduate Student and Young Professionals members in IEEE Region 10.

The theme for 2023 R10 Robotics Competition is "Robots for Managing Climate Change For a Better World"

**Team Registration Deadline  
11 August 2023**



The competition timeline and all important dates are given on the website (<http://robocomp.ieee10.org/>).

Any inquiries regarding the competition can be directed to [R10-ROBOTICS-COM@ieee.org](mailto:R10-ROBOTICS-COM@ieee.org).

## Prizes for Winners

### First Winner

A cash prize of USD 500 plus a plaque

### Second Winner

A cash prize of USD 350 plus a plaque

### Third Winner

A cash prize of USD 250 plus a certificate

**STAGE 2** – R10 will conduct an online selection process to pick the top ten teams/projects from the teams nominated by the Sections.

**Stage 2 – Online Assessments Sessions  
4 September - 16 September 2023**

**STAGE 3** – At Stage 3, teams will be required to demonstrate the full functionality of the robot at the final rounds organized by IEEE Region 10.

## Announcing the 2023 IEEE Award Recipients from IEEE R10!

**2023 MGA Outstanding Medium Section Award recipient - IEEE Tainan Section from R10**

*"For successful efforts in fulfilling the educational and scientific goals of IEEE for the benefit of the public by maintaining, enhancing, and supporting the Student Branches, Technical Chapters, and Affinity Groups within their geographic boundaries."*

**Recipients of Organizational Supporting Friend of IEEE MGA Awards:**

**London Stock Exchange Group/ LSEG**

Region 10 – Sri Lanka

*"For supporting IEEE Sri Lanka Section's STEM, entrepreneurship, technological, and humanitarian efforts"*

AND

**Children's Week Council of Australia (CWCOA)**

Region 10 – Australia

*"For valuable and enduring contributions in the promotion of STEM in the Australian Capital Territory Region"*

**Regional Life Member Affinity Group (LMAG) Achievement Award 2023- Tokyo LMAG, R10, Chaired by Hajime Imai in 2022**

## Stay Tuned with IEEE R10 Professional Activities Committee

### *Daniel Eghbal, Chair, IEEE R10 Professional Activities Committee*

The IEEE R10 Professional Activities Committee (PAC) is pleased to announce the launch of two initiatives; Professional development courses and the hackathon competition.

**Blended Learning Program (BLP) Courses:** The first initiative is to offer professional development courses (both technical and soft skills) to up to 100 IEEE members. Eligible members can enroll in one of the four selected courses from the IEEE Blended Learning Program library. The courses are Introduction to Electromagnetic Compatibility, Innovation Management, and Intellectual Property – Advance, Cloud Computing for IoT Systems - GA01, and Introduction to Innovation Management and Intellectual Property. All IEEE professional members and volunteers are encouraged to apply for these courses and the online application form can be found on the [IEEE R10 Professional Activities website](#).

**Hackathon:** IEEE R10 PAC encourages sections to organize a hackathon on emerging topics (such as AI, Energy transition, and electrification of transport), for their local members to foster collaboration between students, academia, and industry. To assist with planning and organizing the hackathon, R10 PAC has provided basic guidelines for the sections and allocated a budget to support the event.

We encourage sections to:

- Start by defining the hackathon's theme, which could be focused on emerging topics of interest to the local members.
- Clearly define the objectives of the hackathon, which could include promoting collaboration between academia and industry, fostering innovation, and encouraging problem-solving.
- Define the task the participants can expect in the hackathon and the outcome that participants need to demonstrate.

More details can be found on the [website](#).

## IEEE WIE Committee Meeting

### *Khanita Duangchaemkarn, Chair, IEEE R10 Women in Engineering Committee*

#### **IEEE Women in Engineering (WIE) Committee Meeting 2023: Fostering Collaboration and Empowering Women in Engineering**

The IEEE Women in Engineering (WIE) Committee meeting held on 5-6 May 2023 at the Hilton Atlanta, GA, USA, proved to be an invaluable opportunity for IEEE Region 10 WIE Chair and regional representatives to come together. The meeting, which coincided with the IEEE Award Ceremony 2023, aimed to exchange best practices, discuss upcoming activities and foster collaboration between regional WIE and technical societies' WIE.

Chaired by Prof. Celia Shahnaz, the meeting focused on orienting IEEE WIE Committee members to the major IEEE organizational units (OUs) and their functions. It also encouraged inter-collaboration between regional and technical societies' WIE representatives. The gathering commenced with the approval of 12 special funding requests, including 7 from Region 10, highlighting the active involvement of the region in supporting WIE initiatives.

The session featured esteemed speakers from various IEEE OUs, including the IEEE Foundation, IEEE HKN, IEEE MOVE, IEEE EAB, IEEE Humanitarian Technology Board, IEEE Entrepreneurship Committee, and more. These presentations shed light on their respective missions and provided valuable collaboration opportunities for WIE.

On the second day, regional and technical societies' representatives shared knowledge, best practices, and upcoming activities. Khanita Duangchaemkarn, R10 WIE Chair, presented the region's membership statistics, analysis, and future plans, including WIE sessions at flagship conferences like TENCON, TENSYPMP, and HTC 2023.

The meeting also addressed communication challenges faced by R10 WIE due to the diversity of languages and cultures across the region. Strategies like active volunteer engagement, inclusion of members from smaller sections and subsections, and project-led committee structures were shared to ensure effective teamwork.

Notably, future locations for the WIE International Leadership Summit (WIE ILS) were announced, with cities like Karachi, Allahabad, Raipur, Visakhapatnam, and Auckland set to host these empowering events.

The meeting concluded with discussions on future directions, the dissemination of WIE vitality status updates, and the importance of statistics. This first face-to-face WIE Committee meeting provided a platform for interaction, collaboration, and shared initiatives among dedicated WIE volunteers and technical societies' representatives.

Moreover, fruitful collaborations were established between Region 10 WIE and technical societies' WIE, namely the IEEE Robotics and Automation Society (RAS) and the IEEE Industrial Electronics Society (IES). Joint support for upcoming conferences, such as CASE and the Annual Conference of IES, was agreed upon, fostering a stronger presence of WIE in the Asia-Pacific region.

To further enhance collaboration, the "IEEE WIE LEADERS FORUM 2023" will take place on 11 August 2023 in Ottawa, Ontario. This event, sponsored by IEEE Region 7 WIE Committee and IEEE Ottawa Section WIE AG, will precede the Section Congress 2023 and serve as a platform for WIE regional representatives to share insights and strengthen networks.

The IEEE WIE Committee Meeting 2023 not only provided a higher-level understanding of WIE but also paved the way for empowering women in engineering through collaboration and shared initiatives. It was a step forward in promoting diversity and inclusion in the field and ensuring that women's voices are heard and recognized globally.

## IEEE R10 Young Professionals Projects and Activities

### *Mayesha Tafannum, Vice-Chair, IEEE R10 Young Professionals Committee*

The IEEE R10 Young Professionals Committee has yet again demonstrated its commitment to supporting young professionals by spearheading a variety of funding opportunities and successfully organizing a diverse range of activities throughout 2023.

### Awards and Recognitions

One of the committee's primary focuses is its recognition and awards program, which aims to acknowledge exceptional individuals and Young Professional Affinity Groups (AGs) within IEEE Region 10. These prestigious awards are granted based on various criteria, including leadership capabilities, professional development initiatives, networking efforts, and activities that facilitate a smooth transition from student to young professional. The evaluation process is currently underway, and the notification of recipients is scheduled to be announced by the end of September 2023.

The recognition and awards program serves as a noteworthy platform to honor and celebrate the achievements and contributions of remarkable individuals and AGs. By meticulously evaluating the nominees, the committee endeavors to identify the most deserving recipients who have exhibited outstanding leadership qualities, actively pursued professional growth, engaged in valuable networking opportunities, and undertaken impactful initiatives that foster the development of the young professional community.

### UpSkill 2023

Another significant initiative undertaken by the committee was the UpSkill program, specifically designed to promote collaboration among Young Professional AGs, organizations, and student branches. This program encourages the planning and execution of events that focus on facilitating the transition from student life to the professional realm. In the first round of proposals, thirteen submissions were received, and after careful consideration, funding was approved for six sections, namely Bombay, Islamabad, Kharagpur, Madras, Sri Lanka, and Uttar Pradesh. These selected sections will receive the necessary resources and funds to organize events that contribute to the growth and development of young professionals within their respective regions.

The UpSkill program stands out as a collaborative effort that aims to ease the journey from student to young professional. By empowering Young Professional AGs, organizations, and student branches to host events that specifically cater to this transitional phase, the program provides invaluable opportunities for growth, networking, and learning. Ultimately, it equips young professionals with the skills and resources they need to thrive in their chosen fields.

To learn more about the UpSkill Round 2, visit the following link: <https://yp.ieeer10.org/upskill/>

### Collaboration with R10Talk

The team collaborated with volunteer support to organize IEEE R10Talk which is a joint endeavor of 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 focusing on enhancing the awareness of trending topics to the community. In May, the R10 Young Professionals Committee organized a talk on "Future Directives of Offshore Wind Technology, and Emerging P2X and Energy Island Concepts" by Dr Gayan Abeynayake, Power System Specialist at Ørsted.

### CLAP 2023

The IEEE Region 10 Young Professionals Career Leadership Aid Program (CLAP) is an innovative initiative that aims to equip student and graduate members with the essential skills and knowledge needed to achieve their career goals. With its pilot program launched in 2021, CLAP has gained global recognition as a valuable resource for promoting the transition of IEEE students to young professional membership. In 2023, CLAP is all set to make its physical debut in collaboration with IEEE Region 8 Young Professionals, augmenting its scope and influence. The distinguished role of hosting this year's CLAP has been bestowed upon the IEEE Kerala Section. CLAP aims to achieve several objectives. It provides participants with a comprehensive understanding of potential career paths, enhances their leadership abilities, and helps them identify their unique strengths. This program covers various areas such as career planning, resume writing, professional communication, and entrepreneurship. This year's CLAP introduces exciting new elements. Participants can engage in multiregional discussions and forums, visit industries for hands-on experience, and conduct onsite interviews with global companies. CLAP also offers networking and learning platforms, facilitating connections with professionals from diverse backgrounds. It also aims to foster collaborations and mentorship opportunities, particularly in countries with significant heavy industries. Don't miss this chance to shape your future and unlock your leadership potential. Join the grand debut of CLAP and propel your career within the IEEE community.





## GEMS 2023

Lastly, the committee has introduced the GEMS Internship Program, which adds a new dimension to its offerings. This exclusive training initiative provides participants with valuable industry experience in web development, content creation, and design. By focusing on skill development and offering industry exposure, GEMS empowers young professionals to make a meaningful impact in their respective fields and expand their professional networks. For more information about the GEMS Internship Program, please visit: <https://yp.ieeer10.org/gems/>



***The IEEE Region 10 Young Professional Committee takes pride in its dedication to supporting activities aimed at promoting a smooth transition from students to young professionals and in its commitment to serving its members. More new initiatives and programs are on the horizon which we are thrilled to reveal. Stay tuned for further updates!***

## IEEE R10 at MGA Student Activities Committee Meeting 2023

***Jennifer Dela Cruz- IEEE R10 Student Activities Committee Chair and Warunika Hippola - IEEE R10 Student Activities Representative***

The IEEE Member and Geographic Activities (MGA) - Student Activity Committee (SAC) Meeting for the year 2023 took place on the 6th and 7 May 2023 at the Hilton Atlanta in Georgia. The meeting was attended by distinguished members, including Prof. Jennifer Dela Cruz and Ms. Warunika Hippola, the SAC Chair and Student Representative of IEEE Region 10, respectively. Prof. Lance Fung, the director of IEEE Region 10, also graced the event as a special guest.

The two-day meeting commenced with a warm welcome from SAC Chair Ruben Barrera, followed by introductions of all the participants. Key topics discussed included the SAC's theme and goals for 2023, focusing on governance and maximizing the utilization of Collabratec.



*Participants at MGA SAC Meeting 2023*

The MGA Vice President shared insights into his priority projects, such as the Relationship Management Solution, Sections Congress, and the transition of file storage to Collabratec. Additionally, changes in the vTools platform were highlighted, showcasing its enhanced features for automating officer reporting during elections.

The meeting witnessed productive discussions on membership development, member engagement, and various programs like IEEEExtreme, Future50 discount, Virtual Speakers Bureau, and MGA SAC Awards. Prof. Lance Fung, in his guest speech, shed light on the challenges faced by university students and proudly presented IEEE Region 10's flagship events. He also shared plans for realigning the Asia-Pacific region into Regions 10 and 11 by 2028, which sparked interest among the attendees.

Each representative from different regions had the opportunity to present their plans and achievements, making the session highly insightful. Region 10's report highlighted successful executions of the SAC Awards, funding initiatives, contests, and the triumph of IEEE Education Week 2023. They also revealed their plans to organize a flagship event for student leaders in Region 10, promising an exciting future for student activities.

As a special highlight, the delegates of the MGA SAC Meeting had the privilege of attending the 2023 IEEE Vision, Innovation, and Challenges Summit (IEEE VIC Summit) and Honors Ceremony held on May 5th, 2023. The pre-event meet and greet at the Georgia Aquarium on the evening of May 4th set a glamorous tone for the summit. Prominent personalities from IEEE were in attendance, making it an enriching experience for all participants.

The MGA SAC Meeting 2023 served as a platform for collaboration, knowledge sharing, and innovation. It demonstrated the commitment of IEEE Region 10 and its student representatives to the growth and development of student activities. With the remarkable success of this year's meeting, the future looks promising for IEEE and its dedicated student members.

# Igniting Innovation: IEEE R10 Members' Commitment to K-12 STEM Education

*Chi-Un Lei, Chair, IEEE R10 Educational Activities Committee*

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Furthermore, it is worth noting that seven out of the eight large-scale projects that secured funding are also from R10, demonstrating their exceptional contributions. It is a testament to the dedication and enthusiasm of individuals committed to inspiring the next generation of technology innovators.

We extend our deepest gratitude to all the dedicated members who have worked tirelessly to organize educational activities for K-12 students in their local communities. Through continuous efforts and the passion of volunteers, IEEE makes a lasting impact and empowers young minds.

## Congratulations to Grant recipients!

### Projects under R10

- Climate Change: Take Action! – Learning SDGs 7/12/13 in 30 Minutes - IEEE Hong Kong Section Education Chapter
- Electric Adventures: How Do Generators Work? - IEEE Student Branch, Multimedia University R10
- Encouraging Girls in STEM: Workshop on Electrical & Electronics - IEEE Oceanic Engineering Society, Malaysia Chapter
- ENGAGE - IEEE Student Branch, NSS College of Engineering
- Foundations of Cyber Security Workshop - IEEE M H Saboo Siddik College of Engineering
- Fun With Electronics - IEEE Women In Engineering Sri Sai Ram Engineering College
- Innovatio - IEEE Women In Engineering Student Branch Affinity Group of SLTC Research University
- PyCamp - IEEE Kerala Section SIGHT
- Pythonic Puzzle - IEEE Systems, Man, and Cybernetics Society
- STEM Project-Based Learning Workshop 1.0 - IEEE Women In Engineering S.A Engineering College
- VRIDDHI (Growth) - IEEE Student Branch Govt Engineering College- Barton Hill
- web.abc: 2-Day Web Development Workshop - IEEE Student Branch MACE
- Workshop on UAV - IEEE Student Branch TKM College of Engineering
- Arduino Youth Exhibit (AYE) - IEEE Student Branch, Multimedia University R10
- Building the Skies: A STEM Workshop for Students on Drone Design & Flight - IEEE Bangalore Section Jt. Chapter
- Connecting Pre-University Students with Computing: A Two-Day Workshop to Explore the Exciting World of Informatics - IEEE Student Branch IPB University
- Design Your Own Circuit with Eagle PCB - IEEE Electron Devices Society
- Electronics with Coding and Robotics @ Malaysia North Region - IEEE Electron Devices Society (EDS) Malaysia Chapter
- EMpower Windsor - IEEE Windsor Section Young Professionals
- Enhancing STEM Interest through 5G IoT based Smart Farming Hands-On Workshops - IEEE ComSoc/VTS Joint Chapter Malaysia
- IEEE Robotics Workshop: Build your own Robot - IEEE Madras Section
- IoT Workshop – Learn, Create and Innovate - IEEE Student Branch, RVCE
- Mobile App Development - IEEE Student Branch Sri Sai Ram Engineering College
- Sustainable Technology and Renewable Energy for Adaptive Management of Disasters 2023 - IEEE Education Society Kerala Chapter
- The Biomedical Engineering Camp on Physiological Sensor - IEEE Thailand Section
- Engage Government School Children via STEM Technology - IEEE Educational Activities Committee, Islamabad Section
- IEEE Women in AeroSTEM Experiential Program for Pre-University Students - IEEE Student Branch KPRIET
- STEAM for Social Good - IEEE Kerala Section Education Society and IEEE Kerala Section SIGHT
- STEM It Right! - IEEE Malaysia Section
- STEMPORIUM – STEM for Everyone: An Outreach Program - IEEE Power and Energy Society
- TVET Makers Week - IEEE Malaysia Section
- Wear the Internet with Style - IEEE Swinburne Sarawak Student Branch and IEEE Sarawak Subsection

Details of the grant and grant recipients can be found through this link:  
<https://tryengineering.org/volunteer-resources/stem-outreach-fundraising/ieee-pre-university-stem-portal-grant-recipients-2023/>



## IEEE Diversity & Inclusion Committee: A Successful Inaugural Year

*Paulina Chan, MGAB Chair Appointee, Diversity & Inclusion Committee*

2023 marks the inaugural year of the IEEE Diversity & Inclusion Committee, and this dedicated committee has made remarkable progress in promoting diversity and inclusion within the IEEE community. The strategic plan, encompassing the mission, vision, short-term, mid-term, and long-term goals, has guided the committee's efforts. As we move forward, the committee is excited about the positive impact it will continue to make, shaping a more diverse and inclusive future for IEEE.

### IEEE Diversity Report

To fully understand the goals and accomplishments of the Diversity & Inclusion Committee, the various ways the IEEE OUs are addressing the growth of diversity, equity, and inclusion in IEEE, as well as inspiration for potential collaborations, please see the IEEE Diversity Report at [iee.org/diversity-report](http://iee.org/diversity-report).

In 2023, the focus of the Diversity & Inclusion Committee continues this year on the following pillars, which include:

### Deliverables

Highlights of anticipated deliverables include the following:

- Increased outreach with IEEE OUs and other IEEE Committees to build further connections and synergy among goals and activities, including increased opportunities to connect with the IEEE Diversity & Inclusion Committee and provide comments, suggestions, and feedback; particularly relevant to MGA will be an exhibit presence at Sections Congress
- Resources for IEEE volunteers, including best practices on data collection, assessment tools, case studies, and educational materials
- The IEEE Diversity Report and Executive Summary, showcasing IEEE Diversity & Inclusion Committee activities and activities within the IEEE OUs



#### IEEE Diversity Statement >>

IEEE's mission to foster technological innovation and excellence to benefit humanity requires the talents and perspectives of people with different personal, cultural, and disciplinary backgrounds. IEEE is committed to advancing diversity in the technical profession, and to promoting an inclusive and equitable culture that welcomes, engages, and rewards all who contribute to the field, without regard to race, religion, gender, disability, age, national origin, sexual orientation, gender identity, or gender expression.

[Visit IEEE Diversity and Inclusion Website](http://iee.org/diversity-report)

## Engineering and Technology History Wiki (ETHW)

*Harry McDonald, IEEE R10 History and Individual Benefits Services Committee Chair*

The Engineering and Technology History Wiki (ETHW) is a central historical repository of all the achievements, ideas, and first-hand knowledge of engineering association members, societies, councils, and technical communities.

R10 History Committee invites IEEE R10 volunteer officers to document the historical information of their organizational unit (OU) and showcase the valuable contributions made by local volunteers, members, and professionals. This platform will serve as an electronic memory, capturing essential milestones and achievements in technological innovations.

You may create an ETHW account at:

<https://ethw.org/Special:RequestAccount> to contribute to the content at:

[http://ethw.org/List\\_of\\_all\\_IEEE\\_Sections\\_by\\_Region](http://ethw.org/List_of_all_IEEE_Sections_by_Region)

Please refer to:

[http://ethw.org/Help:For\\_First\\_Time\\_Contributors](http://ethw.org/Help:For_First_Time_Contributors) for first-time contributors.

We appreciate your effort in contributing to the content of ETHW and sharing historical knowledge with the global community.

If you have any questions or concerns matter related to IEEE Region 10 historical information, reach out to R10 History and Individual Benefits Services Committee Chair, Harry McDonald at: [harry.mcdonald@ieee.org](mailto:harry.mcdonald@ieee.org)

## IEEE R10 Newsletter Call for Articles

<https://newsletter.ieeer10.org/submission/>



Deadline: 25 August 2023

### CONTACT US

For any query, feel free to email the R10 Newsletter team at [r10-ecn@ieee.org](mailto:r10-ecn@ieee.org)

Facebook

LinkedIn

## Call for Nominations: 2024 IEEE MGA Committee Member and Liaison Positions

The IEEE Member and Geographic Activities (MGA) Nominations and Appointments (N&A) Committee is soliciting nominations for 2024 MGA committee member and liaison positions.

These include:

### MGA Committee Members

- IEEE Admission and Advancement Committee
  - Each Region Director appoints one member
- MGA Awards and Recognition Committee
- MGA Chapter Operations Support Committee
- MGA Operations Manual Compliance Committee
- MGA Geographic Unit Operations Support Committee
- MGA IEEE.tv Advisory Committee
- MGA IT Coordination and Oversight Committee
- IEEE Life Members Committee
- MGA Member Benefits Portfolio Advisory Committee
- MGA Nominations and Appointments Committee
- MGA Potentials Editorial Board
- MGA 2024-2026 Sections Congress Committee
- MGA 2024-2026 Sections Congress Program Chair
- MGA Strategic Planning Committee
- MGA Student Activities Committee
- MGA Training Committee
- MGA vTools Committee
- IEEE Women in Engineering Committee
- IEEE Young Professionals Committee

### MGA appointments to other organizational unit boards/committees

- IEEE Conferences Committee
- IEEE Diversity and Inclusion Committee
- IEEE Educational Activities Board (EAB)
- IEEE Future Directions Committee
- IEEE Industry Engagement Committee
- IEEE Publication Services and Products Board (PSPB)
- IEEE Strategy and Alignment Committee
- IEEE TAB Conference Publications Committee
- IEEE TAB/PSPB Products and Services Committee

Each IEEE Region is encouraged to submit nominations to help ensure that MGA is globally balanced. Self-nominations are encouraged.

The deadline to submit nominations is 1 August 2023.

Use the link below to access the nominations portal. Sign in with your IEEE account username and password. If you are on IEEE Awards page, go to "My Nominations" page located under the "Login" tab.

[Nominate yourself or a colleague now](#)

Click [here](#) to learn more about IEEE MGA Nominations and Appointments (N&A) process

Send questions to: [mga-noms@ieee.org](mailto:mga-noms@ieee.org)

## Deadline 1 August 2023

Source: IEEE MGA Scoop JULY 2023

## IEEE Region 10 Humanitarian Sustainable Project & Volunteer Training Support Fund 2023 Winners!

*Emi Yano, Chair, IEEE R10 Humanitarian Technology Activities Committee*

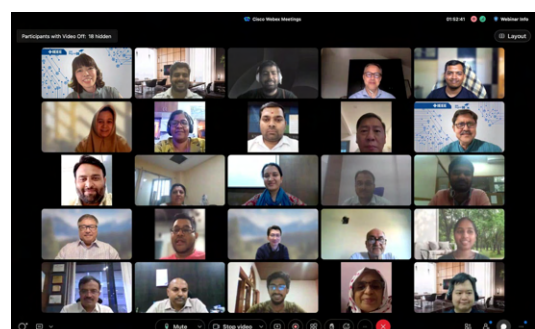
- IEEE Gujarat Section-IEEE R10 Humanitarian Technology Conference 2023
- IEEE Karachi Section / IEEE SIGHT Karach-Building Sustainable Communities & Empowering Action against Climate Change
- IEEE Lahore Section SIGHT-Strength and Confidence: Building Careers as Working Women
- IEEE Malaysia Section-Integrating Sustainable Energy and Smart Agriculture: Empowering Communities and Promoting Environmental Sustainability
- IEEE Manav Rachna College of Engineering / IEEE Delhi Section-Sustainathon-II
- IEEE Pune Section SIGHT GROUP / IEEE Engineering in Medicine and Biology Pune Chapter-Training on CPR and Workshop on AI in healthcare
- IEEE SIGHT Bombay Pratham Chapter-IEEE Bombay Section Community Enhancement Program
- IEEE SIGHT Kerala Section-IEEE SIGHT Congress- Kerala
- IEEE Sri Lanka Section-Empowering Communities Through Humanitarian Innovation: A Sustainable Approach for Change
- IEEE Sri Sai Ram Engineering College, SMC28, System, Man and Cybernetics (SMC) / IEEE Madras Section-From Trash to Treasure: Uniting Waste Management and Mushroom Cultivation for a Sustainable Society
- IEEE Tokyo Section-IEEE Humanitarian Activity Workshop in Japan 2023

<https://hac.ieeeer10.org/r10-hta-supporting-fund/>

## IEEE R10 HTA, SIGHT Chairs Meeting

The first online meeting in 2023 with the SIGHT leaders was organized on 8 April 2023, focusing on the key points related to volunteering opportunities, funding, collaboration, forming, sustaining the new SIGHT Groups and SIGHT Day celebration. As a guest speaker, we welcomed Prof. Mohamed Essaaidi, IEEE SIGHT Chair 2023. This webinar was designed to help overcome challenges, develop best practices, and improve leadership skills. The goal was to provide everyone with practical insights and actionable strategies that SIGHT leaders can apply to their own organizational Units.

The recording is available on R10 YouTube: <https://www.youtube.com/watch?v=pdo25rpUAEc>



Participants at R10 SIGHT leaders meeting

## IEEE R10 Industry Engagement and IEEE - ASEAN Industry Round Table on Climate Change

*Reported by Dr. Nia Kurnianingsih IEEE R10 Treasurer, and endorsed by Professor Lance CC Fung, IEEE R10 Director*

Contd. from page 1...

This initiative aims to foster collaboration and exchange information on strategies for Climate Change adaptation and mitigation between industry and stakeholders. The Round Table will facilitate knowledge exchange, and drive innovation in the development and adoption of sustainable practices and technologies. The participation of industries in climate change initiatives is crucial for transitioning to a low-carbon economy, promoting sustainable practices, and adopting cleaner technologies. In addition, the IEEE- ASEAN Industry Round Table will provide a platform for industry leaders and policymakers from ASEAN member countries to come together, discuss climate change issues, share knowledge and experiences, and develop strategies for adaptation and mitigation.

Taking steps towards this initiative, the IEEE R10 Director, IEEE Director of Singapore Office Operation, R10 Treasurer, Indonesia Section Chair, and Vice Chair, together with the Chair of Indonesia Section Industry and Government Relations Committee visited PT. Perusahaan Listrik Negara (PLN) on 15 May 2023, in Jakarta, Indonesia for advancing collaboration and knowledge sharing on Climate Change mitigation technologies. This visit demonstrates the commitment of IEEE R10 to promote sustainable development among the power utility industries. During the visit, IEEE R10 Director presented on "IEEE Focus on Climate Change," highlighting the initiatives and efforts undertaken by IEEE in addressing Climate Change, led by 2023 IEEE President, Professor Saifur Rahman.



*Visit to PT. Perusahaan Listrik Negara (PLN) by IEEE R10 representatives*

The Director of IEEE Singapore Office Operation also presented "Outreach Activities - Engaging South-East Asia Power Utilities," showcasing the various outreach programs and activities carried out by IEEE R10 in collaboration with power utilities in the region. The Vice-President for Energy Transition and Climate Change of PT. PLN presented their strategies to achieve their targets of Net Zero Emission by 2060 and Environmental, Social, and Governance (ESG) goals. PT. PLN expressed its commitment to inviting domestic and global communities to collaborate and support their endeavors in achieving sustainable energy solutions.

The visit to PT. PLN in Jakarta serves as a blueprint for future engagements with power utility industries across ASEAN countries to facilitate cross-border collaboration, promote best practices, and drive collective action on Climate Change. IEEE R10 plans to replicate this approach to foster regional collaboration on Climate Change mitigation.

## IEEE Exchanged Ideas on Climate Change with Indonesian Electricity Company

*Gamantyo Hendranto, Chair, IEEE Indonesia Section*

On 15 May 2023, IEEE R10 Director, Prof. Lance Fung, along with officers from R10 and IEEE Indonesia Section, visited the headquarters of PT PLN, the Indonesian state-owned electricity company, in Jakarta. The IEEE team, consisting of seven members, was warmly received by Mr. Anindita Surya, the PLN Vice President for Energy Transition, accompanied by PLN staff members. The main focus of the meeting was to exchange information and ideas on electric power generation technologies and strategies aimed at reducing the carbon footprint.

During the meeting, Prof. Fung presented IEEE programs on climate change, highlighting the organization's initiatives in this area. Mr. Hwa Chiang Leo, Director of R10 Singapore Operations, also shared an example of an energy conservation strategy implemented in his office. The IEEE team further expressed their willingness to collaborate with PLN by providing knowledge on renewable energy and energy transition available in various IEEE scientific publications. They also offered support in conducting training programs for PLN staff, which could involve experts from the IEEE Indonesia Section Power and Energy Society (PES) Chapter or other relevant chapters.

In response, Mr. Anindita explained the energy transition strategy adopted by PLN, with the goal of achieving net-zero emissions by 2060. Both parties agreed to explore potential collaborations that would be mutually beneficial in the future.

Later that day, the IEEE team also had a brief meeting at the headquarters of the Ministry of Communications and Informatics in Jakarta with Dr. Denny Setiawan, who represented the Electrical Engineering Board of the Association of Indonesian Engineers (BKE-PII). Dr. Setiawan expressed BKE-PII's interest in collaborating with the IEEE Indonesia Section, potentially through the IEEE National Society Agreement mechanism. Such collaboration would strengthen the position and professional activities of Indonesian electrical engineers and be advantageous for both parties. Prof. Fung conveyed his appreciation for the Indonesia Section, acknowledging their successful efforts in establishing and maintaining close relationships with both industries and the government.

## IEEE Indonesia Section Celebrated Its 35th Anniversary with R10 Director

**Gamantyo Hendranto, Chair, IEEE Indonesia Section**

On 14 May 2023, the IEEE R10 Director Prof. Lance Fung attended the in-person IEEE Indonesia Section (IS) Executive and Advisory Committee Meeting. While the Excom consists of the current officers, the Adcom consists of all Past Chairs of the Section. The Section Executive Committee/Adcom meeting, the first held offline after the pandemic, took place in BINUS University BASE Campus in Tangerang, organized by BINUS University Student Branch. The meeting was attended by twenty (20) IEEE IS Excom members, six (6) Adcom members, seven (7) BINUS Student Branch officers and counselors, and three (3) R10 officers.

The meeting was welcomed by Section Vice Chair Dr. Agnes Irwanti followed by a report from Section Chair Prof. Gamantyo Hendranto on achievements, challenges, and next plans for the Section. He also introduced the Section officers one by one to the audience as this was the first time the 2023 Section Executive Committee met face-to-face. Afterward, the R10 Director spoke on challenges, opportunities, and the current situation in Region 10, which currently has around 69000 members, 60 sections, and 42 subsections. He explained the ongoing preparations for the planned splitting of Region 10. Prof. Fung wished that Indonesia Section can participate more actively in organizing regional conferences and supporting the new region resulting from the region splitting.

The meeting was concluded with a joyful celebration of the 35th anniversary of IEEE Indonesia with a birthday cake and photo sessions. The celebration took some emotional moments, though, when some of the Past Chairs reflected on how they struggled to maintain the life of the Section during difficult times, even by sacrificing their own money to fund events, especially during the Section's early life and the 1998 global economic crisis. Finally, after the meeting, informal-yet-fruitful talks and exchanges of ideas among the attendants followed.

## Indonesia Section BINUS Student Branch Hosted Pre-University STEM Workshop

**Warrick Wilsen, Chair, IEEE Student Branch Binus University**

IEEE Student Branch Binus University, supported by the IEEE Indonesia Section officers, organized a Pre-University STEM Workshop on 14 May 2023 at the BINUS University BASE campus in Tangerang. The event was graced by the presence of R10 Director Prof. Lance Fung during his visit to Indonesia. The workshop featured two speakers: Mr. Auzi Asfarian (IPB University Student Branch, recipient of the 2023 IEEE Pre-University STEM Portal Grant) and Prof. Teddy Mantoro (Chair of Indonesia Section Computational Intelligence Society Chapter).

The workshop involved 27 students and 8 teachers from Fitrah Islamic World Academy (FIWA) High School, Bogor, who showed a remarkable passion for engineering and entrepreneurship. The workshop aimed to guide the students in charting their paths toward a successful engineering career, and understanding the use of artificial intelligence in pre-university education.



*Participants at Pre-University STEM Workshop*



*Attendees at IEEE Indonesia Section 35 Year Celebration*

## Congratulations to IEEE Life Member Award Winners!

**Rajendra K. Asthana, Chair, IEEE R10 Life Member Committee**

IEEE R10 Life Members Committee congratulates the winners of the Individual Life Member Service Award and Life Members Affinity Group Achievement Award. The nominations were evaluated by the Region 10 LM Award Committee consisting of the Chair and three IEEE Life Members from R10.

### REGIONAL (R10) AWARD WINNERS

Regional Life Members Affinity Group Achievement Award 2023 – **Hajime Imai from Tokyo Life Members Affinity Group**

Regional Individual Life Member Service Award 2023 – **Koruthu Varughese, Life Member Member Coordinator, India Council**

Both these awardees from R10 were included for consideration for the Global Awardees.

### GLOBAL AWARD WINNER

Global Individual Life Member Service Award 2023 - **Koruthu Varughese, LM Member Coordinator, India Council**

## Climate Change Activities of IEEE Gujarat Section in Collaboration with Marwadi University

**R. Jadeja, Chair, IEEE R10 Membership Development Committee**

The IEEE Gujarat section and Marwadi University recently collaborated on a series of impactful events focused on promoting sustainability and combating climate change. From 19- 24 September 2022, this initiative encompassed a wide range of activities designed to engage and inspire. Kicking off with a Plastic Waste Collection Drive, participants were encouraged to actively contribute to waste reduction. This was followed by captivating competitions such as Elocution, Group Discussion, Essay Writing, and Slogan, fostering creativity and raising awareness on climate-related issues. A key highlight was the event titled "Innovative Ideas for Combating Climate Change," which aimed to encourage forward-thinking solutions. Additionally, the Symposium on 'Sustainable Development Goals (SDGs) and Climate Change' brought together experts to explore this critical topic in-depth. Furthermore, on World Water Day, the one-day workshop 'Advances in Water Resources and Management (AWRM2023)' featured expert talks on topics including the One Water Paradigm Shift, Urban Ponds, Artificial Intelligence, and Water Management.

### Key Events:

**Plastic Waste Collection Drive:** In a remarkable effort from 19-21 September 2022, 480 first-year engineering students and 24 faculty members joined the "Plastic Waste Collection Drive." Visiting nearby villages, they actively raised awareness about plastic pollution and emphasized the importance of recycling. Through engaging conversations with villagers and local schools, the participants highlighted the link between plastic production and carbon emissions, promoting eco-friendly practices. The drive resulted in the collection of 80 kg of plastic waste, making a significant impact in the fight against plastic pollution.

**Innovative Ideas for Combating Climate Change:** Under the theme of innovation, the "Innovative Ideas for Combating Climate Change" competition encouraged students to propose creative technological solutions to various environmental challenges. Participants presented groundbreaking ideas, such as wind turbines on highways and railway tracks for renewable energy generation. This competition fostered competition and out-of-the-box thinking, nurturing a culture of innovation and problem-solving.

**Symposium on Sustainable Development Goals (SDGs) and Climate Change:** On September 26th, 2022, the symposium brought together esteemed policymakers, including the Cabinet Minister of Environment, Forest and Climate Change, and the Joint Secretary of Climate Change Department, Government of Gujarat. The event provided an informative and interactive platform to raise awareness among the youth and showcased the section's efforts in addressing humanitarian issues. Additionally, Gujarat's government initiatives in renewable energy and climate change were prominently featured, inspiring attendees to contribute towards a sustainable future.

**Workshop on Advances in Water Resources and Management (AWRM2023):** In celebration of World Water Day on March 22nd, 2023, a one-day seminar titled "Advances in Water Resources and Management" took place. Policymakers and industry professionals delivered expert talks, highlighting key topics including the One Water paradigm shift, urban ponds, artificial intelligence in water management, and sustainable development goals for water and sanitation. The seminar offered valuable insights into innovative approaches to effectively manage our precious water resources.



*Different Engagements at the Series of Climate Change Activities*

## Empowering Trainees on Electrical Safety

*Bhashini Jayathunge, Chair, IEEE WIE Student Branch Affinity Group, University of Peradeniya*

The IEEE WIE Student Branch Affinity Group of the University of Peradeniya, in collaboration with the IEEE Student Branch of the University of Peradeniya and Kelani Cables PLC, organized an impactful Electrical Safety Program on 29 May 2023. The program aimed to enhance the technical skills and safety awareness of 150 non-engineering students from the National College of Education. With the support of Mr. Isuru Prasad, Sales Engineer at Kelani Cables PLC, the participants were enlightened about electrical safety practices and the proper usage of distribution boards, RCCBs, and MCBs. The program also featured engaging hands-on activities, allowing the trainees to gain practical experience in wiring lighting systems. The event received positive feedback from the participants, who expressed gratitude for the valuable knowledge gained. The successful collaboration between IEEE WIE, IEEE Student Branch of the University of Peradeniya, and Kelani Cables PLC played a vital role in empowering these trainees with the necessary skills to ensure safe electrical practices in their daily lives.



School Teacher Trainees at Electrical Safety Workshop



Panel Discussion at Empowering Women in STEM by EPS Malayaia Chapter

The three panelists were Dr Eu, the Director of External Package Innovation from NXP Semiconductors, Dr. Samsuzana Abd Aziz from the University Putra Malaysia, and Dr. Nafizah from the University of Nottingham Malaysia. Each of them shared their inspiring stories of overcoming challenges to reach their current positions. The importance of striving for equity in the field of STEM was discussed. It was truly an insightful and empowering experience to learn from such accomplished women in their fields.

## Successful Conclusion of IEMT 2022: A Remarkable Achievement

The IEEE Electronics Packaging Society, Malaysia Chapter proudly hosted its first major event, IEMT 2022, after overcoming the challenges posed by COVID-19 lockdowns. Despite facing worldwide travel restrictions, the IEMT 2022 committee demonstrated exceptional leadership and problem-solving skills, ensuring a resounding success. On 6 January 2023, the committee held a post-event meeting to gather feedback from all team members and stakeholders. Valuable insights were shared, including notable accomplishments, significant hurdles, and areas for improvement. Utilizing the Start-Stop-Continue technique and participants' feedback from a post-event survey, the team discussed strategies for future conferences. Building upon their successes, the team fostered strong bonds through team-building activities, enhancing collaboration for forthcoming conferences. The meeting concluded with the exciting announcement of IEMT 2024, scheduled to be held in Penang. We eagerly anticipate the next edition of IEMT, anticipating another remarkable event.

## IEEE Electronics Packaging Society(EPS) Malaysia Chapter Events

*Vanessa Tan, Newsletter Chair, IEEE EPS Malaysia Chapter*

### IEEE EPS Malaysia: International Women’s Day – panel discussion in “Empowering Women in STEM”, at Nottingham University Malaysia

In conjunction with International Women's Day, IEEE University of Nottingham Malaysia Student Branch organized a panel discussion on 'Empowering Women in STEM' on 8 March 2023. The event saw the participation of 79 engineering students with plenty of interesting questions from the audience.



IEMT 2022 Organizers



## Vibrant NTU Student Branch Activities

*Arokiaswami Alphones, Student Branch Counsellor, IEEE NTU Student Branch, Singapore*

### Codewars: Enhancing Technical Skills for Career Success

Codewars, a collaborative event by IEEE NTU Student Branch and IES NTU Student Chapter held on 8 February 2023, provided students with essential skills for interviews and internships. The objectives of this event were twofold. Firstly, it sought to familiarize students with the intricacies of technical interviews, thus ensuring their preparedness to confront the challenges that lie ahead. Secondly, the event aimed to enhance participants' internship prospects by equipping them with the skills required to navigate the seemingly complex hiring process for technical positions. The target audience for Codewars was students from NTU. The turnout for the event exceeded expectations, leading to an impressive attendance of nearly 150 participants.

The workshop, led by experienced teams from IES and IEEE, spanned three hours and covered fundamental concepts in various domains. Participants gained a comprehensive understanding of key topics, including time complexity analysis with a deep dive into Big-O notation and methodologies for assessing program efficiency. The workshop also delved into recursion, teaching participants how to break down problems into recursive equations. Additionally, participants were introduced to dynamic programming, focusing on identifying overlapping subproblems and optimizing solutions.

Participant feedback for Codewars overwhelmingly praised its effectiveness and value. The event received an impressive average rating of 4.11 out of 5, highlighting its resounding success in meeting its intended objectives.

### Intuition v9.0: A flagship event and one of the largest student-run SEA hackathons

The IEEE student branch successfully hosted iNTUition v9.0, Singapore's largest student-led hackathon, on 25-26 February 2023. The event had both in-person and virtual attendance options through platforms like Zoom, YouTube Live Broadcast, and the iNTUition Virtual Playground. With over 300 physical participants and 100+ virtual participants from Southeast Asia, it was a remarkable turnout. The hackathon was sponsored by TikTok, MSD, Marshall Wace, Google, IEEE, and GovTech SG, providing participants with opportunities to interact with sponsors through physical and virtual booths.

A workshop series called "Road to iNTUition" in collaboration with IEEE INPT Student Branch and sponsors equipped participants with essential skills and industry knowledge. The event started with an opening ceremony attended by 210 participants, followed by a Midnight Lucky Draw to engage and reward participants. Over 70 impressive project submissions were received, and industry professionals served as judges to select the winners who received prizes worth over \$7000. The success of iNTUition v9.0 left participants inspired and with valuable experiences and connections.

## IEEE Madras Section Events

*Arun M. Executive Committee Member, IEEE Madras Section*

### IEEE Madras Section Hub Congress – Coimbatore

The IEEE Madras Section Hub Congress - Coimbatore was successfully held at Sri Krishna College of Engineering and Technology on 18 March 2023. Dr. K. Porkumaran, Chairman of IEEE Madras Section, warmly welcomed the attendees, while Dr. R. Hariprakash, Secretary of IEEE Madras Section, highlighted the significance of the event. Mr. Tom Coughlin, the 2023 IEEE President-Elect, delivered an engaging presidential address, emphasizing the importance of IEEE membership. Prof. Chun Che Lance Fung, Director of IEEE R10 and Emeritus Professor at Murdoch University, delivered an insightful inaugural address, discussing the benefits of IEEE membership and the multitude of planned activities. Commodore B. Balasundaram, Director of Centre for Indigenisation and Self Reliance CISR, Indian Navy, graced the event as the chief guest and discussed the Defence innovation organization and DISC level events. Prof. Dr. S.N. Sivanandam, Former Emeritus Professor at PSG College of Technology, Coimbatore, also shared his perspectives on the importance of IEEE membership and the Hub Congress. The congress was a tremendous success, fostering knowledge-sharing and collaboration among IEEE members.

### IEEE Circuits and Systems (CAS) Madras Section Chapter Inauguration

The inauguration of the IEEE Circuits and Systems (CAS) Madras Section Chapter took place on 25 March 2023 at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai. Prof. P. Sakthivel, the Vice-chairman, introduced the audience to the IEEE circuits and systems society and presented the executive committee members of the IEEE CAS Madras chapter. Mr. H.R. Mohan emphasized the importance of networking among IEEE chapters across regions and outlined the roles and responsibilities of professional society chapters. Prof. Amlan Chakrabarti discussed the vast opportunities available to professional society members and highlighted activities in circuits and system society chapters throughout the country. Prof. S. Salaivahanan, Vice-Chancellor of VelTech University, delivered an inaugural address, sharing his experiences in professional societies. The event marked the beginning of an exciting journey for the CAS Madras Section Chapter, fostering collaboration and advancement in circuits and systems.



Participants at (CAS) Madras Section Chapter Inauguration

## International Women's Day Celebration

IEEE WIE Madras Section (MAS) recently celebrated International Women's Day with a series of inspiring events. On 8 March 2023, WIE MAS had the privilege of hosting Dr. D. Bhuvanewari and Dr. A. Kavitha, prominent professors in the field of law and engineering. Dr. Ashwini Appaji, Vice-Chair of WIE Bangalore Section, shared insights on women empowerment on 9th March. On 10th March, Katherine Rasley from Enel Green Power, USA, enlightened the participants with lessons learned in early career development. Nimra Naeem, an ASSR at IEEE Islamabad Section, discussed the journey of women in technology on 11th March. Dr. Mini Ulanat, Chair of IEEE Kerala Section, addressed work-life balance on 18th March. Additionally, WIE MAS hosted the SAKHI'2023 Paper Presentation Contest on the same day. Finally, on 19th March, Dr. Celia Shahnaz, the 2023 IEEE WIE Committee Chair, highlighted the importance of research, innovation, equity, and women empowerment. The events were a resounding success, empowering and inspiring women in technology.

## LMAG-Tokyo Annual General Assembly 2023

*Toshihiko Sugie, LMAG Secretary, Tokyo Section*

The 2023 LMAG-Tokyo General Assembly took place on 17 March in an online conference format. Chaired by Dr. Sugie, the assembly began with reports on the participation of 30 attendees, including 14 online participants. .



*LMAG-Tokyo Officers  
(Center: Dr. Ohta,  
Chair, Right: Dr.  
Hayashi, Vice Chair,  
and Left: Dr. Sugie,  
Secretary)*

Dr. Ohta, as the Chair delivered a speech, and the general meeting proceeded under his chairmanship. The assembly covered agendas such as the officer election report, the 2022 LMAG-Tokyo activities report, and the activity plan for 2023. All agendas were deliberated and approved, marking a successful conclusion to the LMAG-Tokyo General Assembly.



2023 LMAG-Tokyo General Assembly

## IEEE Kolkata Section Events

*Chandi Pani, Newsletter Sub Committee Chair, IEEE Kolkata Section*

### Two-day Hands-on Workshop on VEGA Microprocessor Ecosystem

The IEEE Kolkata Section organized a two-day hands-on workshop on the VEGA Microprocessor ecosystem as part of its Industry-Academia program to celebrate the India Council Day. The workshop was held on 17-18 April 2023, at the Electrical Engineering Department of Jadavpur University. A team of three scientists from CDAC (Center for Development and Advanced Computing, Trivandrum, Govt. of India) conducted the training, providing hands-on experience with the indigenous VEGA Microprocessor boards. The workshop was well-received, with a total of 56 participants in attendance, including 40 IEEE members and 16 non-IEEE members.



Students doing hands on program with Vega processor

### International Symposium on Innovation and Entrepreneurship (ISIE-23): Fostering Self-Reliance and Sustainability

IEEE ComSoc Kolkata Chapter organized "The International Symposium on Innovation and Entrepreneurship" (ISIE-23) on 26-27 March 2023, at the National Institute of Technology Silchar. This event aimed to be a flagship in the field of Innovation and Entrepreneurship, bringing together various institutes, industries, funding agencies, policymakers, startups, and entrepreneurs. The symposium aimed to develop a peer-focused network for the growth and development of upcoming entrepreneurs, especially in the Eastern and North Eastern regions of the country. The theme of the symposium was "Self-Resilience and Sustainability" with a focus on industry-academia linkage for better opportunities.

The event featured several eminent speakers from India and abroad who shared their valuable insights on technical, entrepreneurial, and sustainability issues, contributing to the transformation into a self-reliant nation. The topics covered areas such as design in innovation, Artificial Intelligence, translational research leading to innovations, and decision-making. A panel discussion was held on the theme of "Decoding Self-Reliant Nation: Role of Innovation and Entrepreneurship." IEEE ComSoc Kolkata Chapter served as a technical partner for the symposium, along with AMTRON, Assam, and Assam Startup.

## IEEE QT3: Creating Awareness and Collaboration on Electromagnetic Radiation

*Ramneek Kalra, IEEE Impact Creator*

On 29 April 2023, a group of passionate IEEE Young Professionals and IEEE Impact Creators gathered at Jaipur Engineering College and Research Center in Jaipur, Rajasthan, India. Their aim was to raise awareness about Electromagnetic Radiation (EMR) and establish a collaborative platform through the initiation of "Quarter Tech Talk Table 9.0 (QT3)." This event took the form of a panel discussion titled "Electromagnetic Radiation: Concerns & Future Opportunity," conducted in collaboration with the EMC Test and Training Center, "Universal Access to Technology" Technical Committee of IEEE SSIT, IEEE Industry Engagement Committee, and IEEE Collabratec.

The primary motivation behind QT3 was the IEEE Strategic Plan 2020-2025, which encourages boundaryless events. The objectives of QT3 were to foster collaboration in sharing knowledge of industrial technologies, create connections among IEEE Young Professionals for career and professional development, promote research-based learning, and provide an open forum for discussing recent technological advancements and challenges.

The 9th Edition of QT3 featured esteemed panelists such as Dr. R. Lenin Raja (Vice President-Engineering, AA Electro Magnetic Test Laboratory), Nidhi Sharma (Senior Manager - Application Support, Rohde & Schwarz), Namita Dcunha (Asst Manager Product Marketing, Anritsu India Pvt Ltd), and Ankur Kumar (Deputy Technical Manager, AA Electro Magnetic Test Laboratory). This edition also introduced speed mentoring for the first time, with Ramneek Kalra, Ashutosh Saxena, Shatakshi Singh, and Aarti Kukreja serving as speed mentors.

During the panel discussion, Dr. Lenin Raja explained the two types of electromagnetic radiation—natural (UV rays, visible light, thunderstorms) and man-made (radio frequency, high-power lines, electrical appliances). Nidhi Sharma dispelled myths surrounding the safety of 5G, emphasizing that it is not harmful to humans or animals. Namita Dcunha suggested that Tier-3 and Tier-2 colleges collaborate with MNCs and government organizations to bridge the gap between industry and students. Ankur Kumar stressed the importance of testing products emitting electromagnetic radiation for safety before releasing them to the market.

The event also included a speed mentoring session, allowing participants to directly interact with mentors, panelists, and volunteers currently working with renowned multinational corporations.

To stay updated on upcoming editions of QT3, visit <https://ieeegt3.org>. For any queries or clarifications, feel free to connect with Ramneek Kalra at [ramneek@ieee.org](mailto:ramneek@ieee.org).

QT3 successfully created awareness about electromagnetic radiation, facilitated collaboration, and provided valuable insights for the professional development of IEEE Young Professionals and Impact Creators.

## IEEE Kharagpur Section Explores Haldia Dock: An Enlightening Field Trip

*Aditya Kameswara Rao Nandula, Chair, IEEE Young Professionals Affinity Group Kharagpur Section*

On 19 February 2023, the IEEE Kharagpur Section organized an enriching field trip to Haldia dock. Over 45 dedicated volunteers from IEEE Kharagpur Section and its affiliated organizations joined the field trip. The volunteers had the opportunity to engage with dock officials and gain insights into the operating procedures of the dock. The officials showcased the various loading and unloading activities taking place and provided a comprehensive understanding of the dock's unique features, workplace safety measures, and cargo handling processes.

The key takeaways from this insightful excursion include exposure to the Haldia Dock, a deeper understanding of dock operations, and knowledge of material handling and safety protocols. The field trip proved to be an invaluable experience for all participants, expanding their knowledge in the field and fostering a deeper appreciation for the complexities of dock operations..



*Participants at the Field Visit- IEEE Kharagpur Section*

## IEEE Kharagpur Section Empowers OU Officers through Training Program

*Aditya Kameswara Rao Nandula, Chair, IEEE Young Professionals Affinity Group Kharagpur Section*

The IEEE Young Professionals Affinity Group Kharagpur Section, in collaboration with IEEE Kharagpur Section, organized the highly anticipated "IEEE Kharagpur Section Officers Training Program 2023" at the IEEE Office, NA-203, Nalanda Complex, IIT Kharagpur Campus on 18 March 2023. This full-day training aimed to equip OU officers with essential skills and knowledge. The event commenced with a warm welcome by Aditya Kameswara Rao Nandula, IEEE YPAG Chair, followed by an insightful address by Dr. Mrinal Kanti Mandal, Chair, IEEE Kharagpur Section, who also presented the section's Standard Operating Procedures. Distinguished speakers including Dr. Debdoot Sheet, Dr. Sudipta Mukhopadhyay, Mr. Aditya Kameswara Rao Nandula, and others shared valuable insights on various topics related to OU operations. The section chair extended appreciation to the speakers and participants, presenting them with mementos and participation certificates.



Participants at the Officer Training Program- IEEE Kharagpur Section

Strategic planning and budgeting were emphasized to ensure efficient resource allocation. Enhancing the IEEE brand experience was highlighted to create a positive image and engage members. The utilization of IEEE VTools for event management, notices, and officers' reporting was discussed to streamline operations. Collaboration and membership development were emphasized for fostering strong networks and growth. The significance of effective SB annual reports and IEEE award nominations was stressed to recognize achievements. Leveraging IEEE OU Analytics and IEEE Collabratec for data-driven decision-making was explored. The program also encouraged officers to explore new initiatives and maximize the potential of the IEEE website for information dissemination and engagement. With these valuable takeaways, the trained officers are well-equipped to lead their respective organizations towards success.

## IEEE R10 NEWSLETTER COMMITTEE 2023

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## International Symposium on Artificial Intelligence And Robotics 2023

*Muhammad Sadiq Ali Khan, Vice Chair, IEEE Computer Society Karachi Section*

IEEE Computer Society (CS) Karachi Section organized the "International Symposium on Artificial Intelligence and Robotics" supported by the IEEE CS R10 representation and in collaboration with QSImpact Pakistan on 15-16 May 2023. The symposium discussed the impact, development, and recent trends in computer science and technology mainly focused on Artificial Intelligence and Robotics. The first day was dedicated to all the information and insights related to artificial intelligence. Dr. M. Sadiq Ali Khan, Vice Chair IEEE Computer Society Karachi Section expressed Artificial Intelligence as an integral component of revolutionary society and a factor in developing the world's environment into the technological world. Dr. Atta-ur-Rehman presented different aspects and relevance between Artificial Intelligence (AI) and Natural Intelligence. His session also determined and elaborated on the use of ChatGPT and its contribution to AI. Prof. Dr Tariq Raheem Soomro, initiated his talk by discussing all the possible pros and cons of ChatGPT, followed by differentiating Expert Systems and ChatGPT. Ronald C. Arkin, a renowned roboticist gave a ground-breaking remote talk in which he investigated the fascinating area of biologically inspired machine deceit. The R10 coordinator of the IEEE CS, Mr. Kassim joined us online on Microsoft Teams and looked into the enormous potential of IoT and WSN technologies to transform the agricultural industry.



Guests and Participants of the International Symposium on Artificial Intelligence And Robotics 2023 by IEEE Computer Society Karachi Section

## ANU IEEE Members' Gathering

*Ambarish S Natu, Chair, IEEE Australian Capital Territory*

The IEEE student branch at the Australian National University (ANU) hosted an IEEE member gathering on 22 May 2023 as the first gathering of IEEE members at ANU in 2023. More than 30 participants attended the guest talk conducted by Prof. Ken-Tye Yong from the University of Sydney, at the Research School of Physics followed by a BBQ. Participants of the gathering included students and researchers from the School of Engineering and Research School of Physics at ANU, as well as representatives from the IEEE Australian Capital Territory (ACT) Section. The event offered a prime opportunity for networking helping ANU to strengthen the number of IEEE members across several colleges.

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