IEEE REGION 10 CONNECT

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Insights into IEEE Membership
As the new term of the IEEE Region 10 Membership Development Committee begins, Cheon Won Choi Chair, IEEE Region 10 Membership Development Committee has analyzed the membership statistics. Page 6

IEEE R10 Robotics Competition 2024
The R10 Robotics Competition is an event specifically created to encourage innovation and offers a hands-on opportunity to apply classroom theory to building a substantial piece of engineering that can serve a useful purpose. Page 11

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IEEE R10 SYWL Congress 2024

IEEE R10 SYWL Congress 2024 was held from August 29 to September 1, at the National Olympics Memorial Youth Center, Tokyo, Japan.
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IEEE Special Citation Ceremony for Commonwealth Solar Observatory

On 3 September 2024, the IEEE Special Citation Ceremony at the Mount Stromlo Observatory, organized by the Australian Capital Territory (ACT) Section in Canberra, Australia was held successfully.
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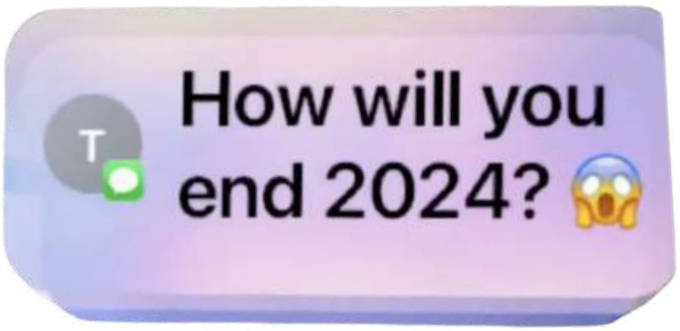
IEEE R10 DIRECTOR'S MESSAGE

Prof. Lance Fung
IEEE R10 Director 2023-2024



This was a question posted on TikTok and it attracted posting of 318.3 thousand videos (on 17/9/2024), plus many hundreds of millions of views.

In those videos, most acted, some sang, some talked, some joked, some were funny, some were outright boring, and most were hard to comprehend by a baby boomer like me (Generation Gap?).

While I have not seen all of them, I observed most expressed how THEY will END their last day of 2024...

It may be a party of drinking and eating, watching the sunset goes down the horizon, preparing to welcome the new year when the clock strikes 12....

However, I'd rather ask",

"HOW WILL YOUR 2024 END?"

SO, YOU MAY ASK, "**WHAT'S THE DIFFERENCE?**"

MY ANSWER IS,

ONE FOCUSES ON THE ACTIVITIES ON THE LAST DAY, AND THE OTHER IS ABOUT WHAT HAVE YOU ACHIEVED IN 2024?"

October quietly starts the last quarter of 2024. Have you reflected on what have been achieved in the last nine months? What are your plans for the remaining 3 months? How much of your 2024 New Year resolutions were accomplished?

As far as IEEE R10 is concerned, thanks to all members, volunteers and leaders, I am proud to say that R10 has achieved much. To put it into perspective, as of 11/9/2024, **the number of IEEE members in R10 stood at 167,640, comprising 39.4% of all IEEE members worldwide.**

The number of Student Branches (SB), SB Chapters (SBC), and SB Affinity Groups (SBAG) in R10 were even more spectacular. **Their numbers were 1,844 (49.2%), 613 (56.3%) and 2,634 (55.9%), respectively, compared to the global IEEE figures.**

In total, 10,520 activities of various events have been registered or reported in IEEE vTools, and they comprised 41.4%% of overall IEEE activities.

Visual representation of the aforementioned information is given in *Figure 1*.

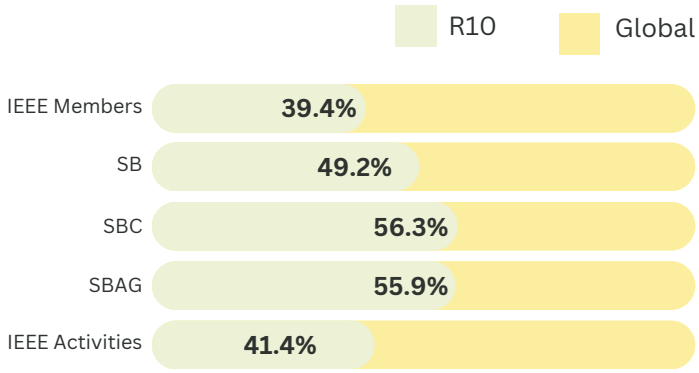


Figure 1: Comparison between IEEE Global and IEEE R10 in terms of members, organizational units and activities by 11/09/2024

However, retention of the student members, and transition from student members to Young Professionals in R10 have always been an issue that requires significant improvement.

In terms of activities, R10 ExCom and AGM meetings were held in January and March at Okinawa and Kuala Lumpur respectively. The bi-annal R10 flagship event, Students, Young Professionals, Women in Engineering and Life Members (SYWL) Congress was successfully held from 29th August to 1st September at Tokyo, Japan. The event attracted a record-breaking number of delegates (329), from 17 countries, and the event was graced by IEEE dignitaries - IEEE President, Tom Coughlin, IEEEE President-Elect Kathleen Kramer, R6 Director Kathy Hayashi and many leaders across IEEE. In addition, the 2024 R10 Robotics Competition was also held concurrently with SYWL with 10 international teams competed for the prestigious prizes.

It is worth noting that the figure correlates with the percentage of R10 members, that is, over one third of the IEEE activities worldwide.

IEEE R10 DIRECTOR'S MESSAGE (CTD.)

Such activities happened at all levels and OU's within R10 from Student Branches, SB Chapters, AG's, Sections, Councils and Region, serving our over 167K members.

During the last quarter of 2024, the three IEEE R10 Flagship events will be held at Delhi (TENSymp), Kuala Lumpur (R10 HTC), and Singapore (TENCON). In addition, activities such as Industry Conclave, Affordable Medical Hackathon, Entrepreneurship, Conference Leadership Program, Section Chapter Symposium, and Student Summit... will also happen during those months.

HOW WILL R10'S 2024 END?

MY ANSWER – PLENTY OF SUCCESSFUL ENGAGEMENTS AND ACTIVITIES!

Our volunteers have offered thousands of activities, serving the members, and working towards the mission and vision of IEEE – Advancing Technology for Humanity.

To all the hardworking volunteers, we appreciate greatly your dedication and contributions, and thank you in advance for the ongoing programs until the end of 2024.

To all the members, please take the opportunities to participate in the coming events and spare a thought with appreciation of the selfless work by your fellow volunteers.

I wish everyone's 2024 will end with success, fulfilment, satisfaction and achievements.

STRATEGIC ROADMAP FOR ENHANCING STUDENT AND WOMEN IN ENGINEERING (WIE) ENGAGEMENT: PREPARING FOR THE 2028 REGION REALIGNMENT

Takako Hashimoto, IEEE R10 Director- Elect 2024

Continued from Page 1.

This article focuses on Students and Women in Engineering (WIE), analyzing their current challenges and proposing solutions for improvement.

Referring to membership data for both Students and WIE, we have identified key issues and provided actionable strategies to address them. This assessment will guide efforts to strengthen these groups as we move toward the successful region realignment.

Student Challenges and Solutions

Regional Student Distribution and Membership Grade Differences in New R10 and new R11

Challenge:
In terms of students, the new R10 will have a smaller number of students, while the new R11 will have a larger student population. Additionally, the membership grade distribution between the two regions will differ significantly, reflecting the distinct characteristics of each region as in *Figure 1*.

Solution:
To address these disparities, we can implement targeted membership growth initiatives in R10 to attract more students and early-career members.

For R11, where student numbers are higher, we can focus on offering leadership development programs and networking opportunities to help students transition to higher membership grades. By customizing strategies for each region, we can balance student engagement and enhance overall membership quality across both regions.

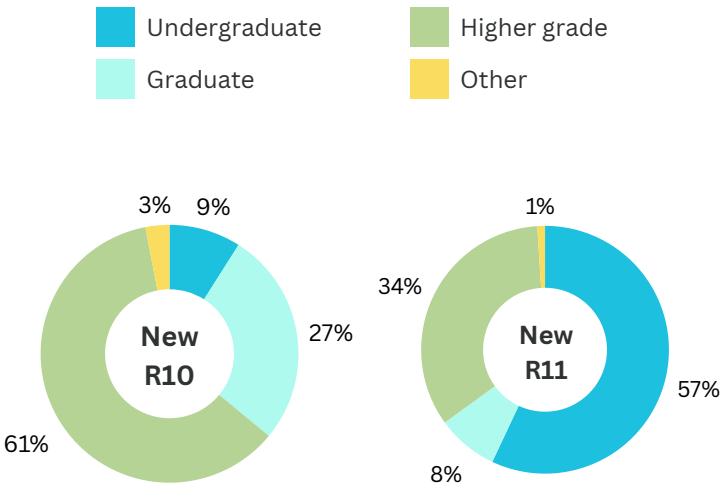


Figure 1: New R10 and New R11 Membership by Grade

Geographical Constraints for In-person Events (new R10 & new R11)

Challenge:
The wide geographical distribution in both regions makes it challenging to organize in-person events, reducing opportunities for students to participate actively.

Solution:
Leverage virtual platforms to host events and training programs that transcend geographical barriers, allowing students from all regions to participate.

Regional Student Distribution and Membership Grade Differences in New R10 and new R11

Challenge:
Many SBs remain inactive, limiting student engagement and participation.

Solution:
*I*mplement revival strategies, including mentorship programs and leadership training for SB leaders, and conduct regular evaluations to monitor progress and ensure SBs are active and contributing to IEEE activities.

WIE Challenges and Solutions

Low WIE Membership in North Asia (new R10)

Challenge:
WIE membership is significantly lower in the new R10, particularly in North Asia, where participation is limited, as shown in *Figure 2*.

Solution:
Increase the visibility of WIE in North Asian communities by promoting leadership roles for women and introducing technical growth support programs. Encourage collaboration between WIE and existing SBs or other IEEE entities to enhance visibility and engagement.

Retention in Women in Engineering (WIE) Membership

Challenge:
As illustrated in the chart (Figure 3), WIE community faces a significant challenge related to member retention. The data shows that most members, particularly student members, do not continue their membership beyond the first year. This issue is highlighted in the figure, where the majority of the members (represented by the tall red bar) are first-year members who do not renew for subsequent years.

Solution:
Addressing this challenge is critical for the sustainability and growth of the WIE community, and specific retention activities must be considered to encourage long-term engagement.

Lack of Industry Engagement

Challenge:
WIE members have limited engagement with the tech industry, which restricts opportunities for career growth and development.

Solution:
Strengthen ties with the industry by organizing networking events and workshops, fostering partnerships for industry-academia collaboration, and encouraging mentorship opportunities that connect WIE members with industry leaders.

Biased Membership in New R10 and New R11

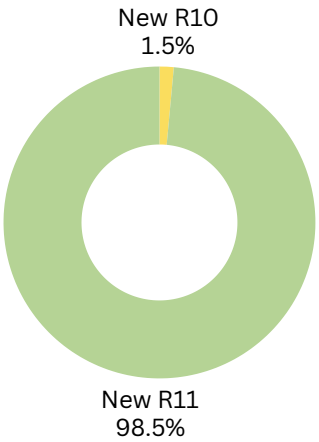


Figure 2: WIE membership by new R10 and new R11

WIE members are very biased to the new R11.
Very few members in the new R10.

Sections that do not have WIE AG;

Busan (Korea)
Chengdu (China)
Daejean (Korea)
Gwangju (Korea)
Nanjing (China)
Taegu (Korea)
Xian (China)

The strategies outlined in this article, aim to address these challenges and provide a roadmap for enhancing student and WIE activities across R10 and R11. By focusing on targeted growth strategies and fostering collaboration, IEEE can better support these communities through the upcoming Region Realignment.

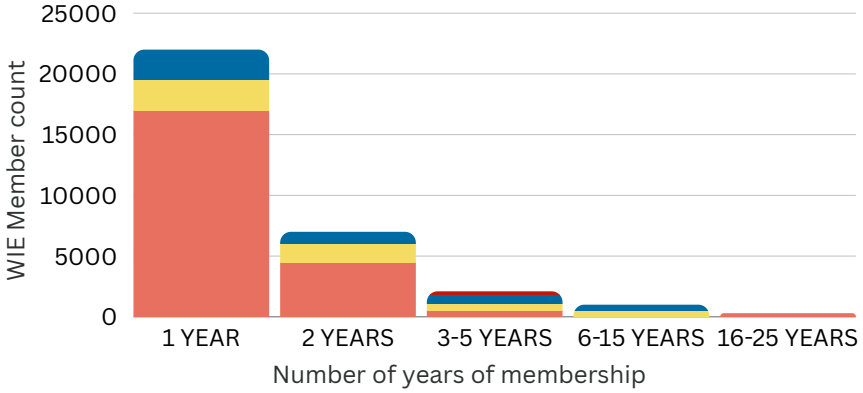


Figure 3: WIE membership by years of membership

EMPOWERING EXCELLENCE IN ENGINEERING – IEEE HKN IN R10

Bala Prasanna, IEEE R1 Director 2024-25

Continued from Page 1.

The IEEE-Eta Kappa Nu (HKN) induction ceremony was a momentous occasion, marked by the induction of new members who have demonstrated the core ideals of scholarship, character, and attitude. During the ceremony, IEEE HKN President Dr. Ryan Bales, along with other HKN leaders and staff, emphasized these values and asked the inductees to commit to upholding them in their professional lives.

The inductees, including Dr. Akila Wijethunge, Dr. Jithin Krishna, and Dr. Abdul Quaiyum Ansari from Region 10, responded with an enthusiastic "I Do," signifying their dedication to:

- Continuing to develop intelligence and common sense in their professional practice.
- Continuing to develop character in positive ways, including practicing honesty, ethical behavior, good judgment, hard work, and avoiding the path of least resistance.
- Continuing to maintain a positive attitude about life, being congenial, tolerant, tactful, and respectful.

IEEE-HKN, the international honor society of the Institute of Electrical and Electronics Engineers (IEEE), was founded in 1904 at the University of Illinois and merged with IEEE in 2010. Celebrating its 120th anniversary in 2024, HKN has over 279 collegiate chapters worldwide and more than 200,000 members. It recognizes excellence in education, professional practice, and meritorious work within IEEE's designated fields of interest.

R10 HKN Student Chapters

- Bharati Vidyapeeth College of Engineering
- The University of Hong Kong
- National University of Singapore
- UCSI University - Kuala Lumpur (recognized as one of HKN's Outstanding Chapter Award recipients for the 2022-2023 academic year)
- Singapore University of Technology and Design
- University of Queensland
- G.H. Raisoni College of Engineering
- National Chiao Tung University
- Waseda University
- Chulalongkorn University
- Indian Institute of Science - Bangalore
- Sri Sai Ram Engineering College (installed in 2023)
- Vardhaman College of Engineering-Shamshabad (installed in 2024)

282 MEMBERS

98 MEMBERS WERE INDUCTED DURING 2023-2024 THUS FAR

IEEE-Eta Kappa Nu

IEEE Region 10

25 ETA CHAPTER MEMBERS IN REGION 10 (14 INDUCTED IN 2023 AND 2024)

Current Activities of IEEE R10 HKN

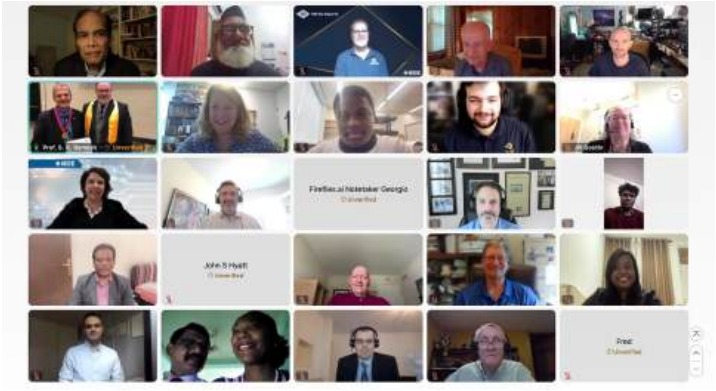
- Sponsoring two students' travel to the HKN Student Leadership Conference in North Carolina in November 2024, with efforts to fund a third student's travel, thanks to Director Lance Fung's efforts.
- Liaising with department leadership to reactivate inactive or dormant university chapters and promote the benefits of HKN membership among students at institutions like Bharati Vidyapeeth College of Engineering, The University of Hong Kong, Singapore University of Technology and Design, G.H. Raisoni College of Engineering, National Chiao Tung University, and Chulalongkorn University.
- Encouraging collaborative programming between HKN chapters and student branches, as well as between HKN chapters and IEEE technical societies.
- Connecting chapters with programming opportunities and supporting the execution of these programs, such as Distinguished Lecturer programs with HKN chapters.

Become a part of IEEE-HKN

Reach out to Director Lance Fung, Dr. Akila Wijethunge, Dr. Mousmi Chaurasia, or MGA VP Deepak Mathur could be a transformational step.

Their guidance and the opportunities provided by HKN can significantly enhance your professional journey and contribute to the growth of Region 10.

Would you like more information on how to get started, or do you have any specific questions about IEEE-HKN? Looks us up at https://hkn.ieee.org/ or send mail to: info@hkn.org



One of the Induction ceremonies of HKN 2024

INSIGHTS INTO IEEE MEMBERSHIP

Cheon Won Choi Chair, IEEE R10 Membership Development Committee

As the IEEE R10 Membership Development Committee enters a new term this September, a comprehensive analysis has been conducted to understand membership and retention trends over the past 17 years. Drawing on MD Monthly reports and OU Analytics data, this review highlights long-term trends to support ongoing efforts in membership growth and retention.

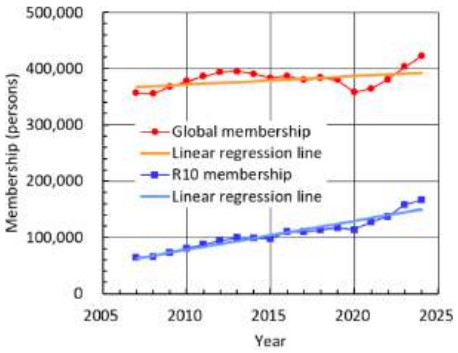


Figure 1: IEEE membership growth

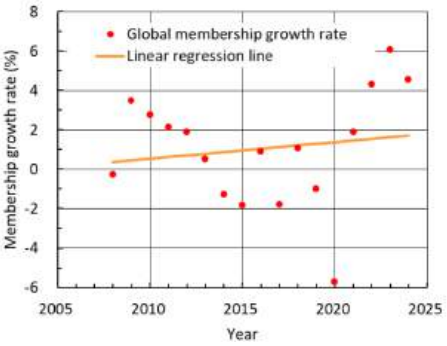


Figure 2: IEEE membership growth rate

Membership Growth Trends

Figure 1 displays membership trends for IEEE and IEEE Region 10, accompanied by linear regression lines that indicate a positive trajectory over the past 17 years.

The slopes of the regression lines—1475 (global, orange line) and 5131 (Region 10, sky blue line)—indicate steady growth, with the p-value of 0.0534 suggesting this trend is not statistically strong but still supportive of positive membership growth over time.

Figure 2 shows IEEE membership growth rates, calculated by comparing membership numbers year-over-year from August to August. A linear regression of these growth rates reveals a slight positive slope of 0.08348, signaling a generally upward trend despite a higher p-value of 0.5758, which limits its statistical strength. However, the sustained positive direction reflects IEEE's ongoing membership development efforts.

Comparison with Global Population Growth

For context, Figure 3 provides global population growth rates over the same period, using data from Worldometer (website https://www.worldometers.info/world-population/world-population-by-year/#google_vignette was used for drawing the curves in the figure). Interestingly, while population growth rates have shown a decline (with a negative slope of -0.03216), IEEE membership continues to grow. This comparison suggests that IEEE's development strategies have effectively attracted new members despite slowing global population growth.

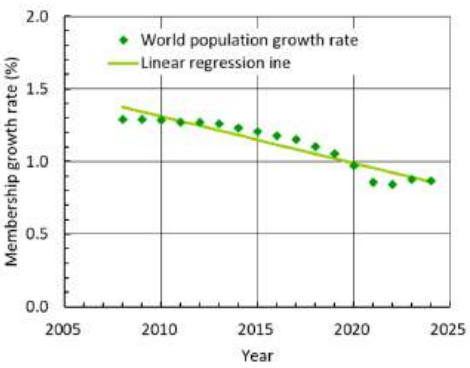


Figure 3: World population growth rate

Figure 4 shows retention rates in IEEE and IEEE Region 10 for last 13 years. Note that the retention rate in 2024, for example, is roughly defined by (number of members who have renewed until August, 2024)/(membership in August, 2023)*100. Retention plays a critical role in ensuring the organization's growth. As the data indicate, membership growth has been positive, but a decline in retention rates suggests potential gaps in member engagement or satisfaction. A focus on member retention can help bolster membership, enhancing IEEE's capacity to sustain and grow its community over the long term.

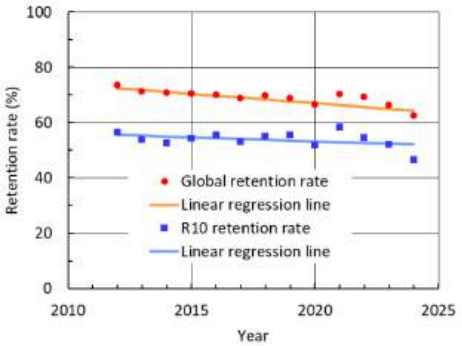


Figure 4: IEEE Membership Retention rate

Key Takeaways

The positive growth in IEEE membership, particularly when set against the backdrop of declining global population growth, highlights the organization's success in attracting new members. However, the declining retention rates underscore an opportunity to strengthen membership satisfaction and engagement. Checking in with members to understand their evolving needs and ensuring that IEEE offerings continue to resonate will be crucial in reversing retention trends and supporting a robust IEEE community.

The new term is an opportune time to reflect on and reinforce IEEE's value proposition, ensuring that members find pride and enjoyment in their IEEE affiliation.

IEEE R10 SYWL CONGRESS 2024

Prof. Yoshikazu Miyanaga, Prof. Takako Hashimoto
General Co-Chairs, IEEE R10 SYWL Congress 2024 Local Organizing Committee

General Introduction

Mr. Hidenobu Harasaki, Operation Committee Chair

Continued from Page 1.

324 participants and 10 student volunteers gathered at the venue. Participants from Japan were 118, and overseas participants from 20 countries were 206. Since Typhoon No. 10, Shanshan hit the western part of Japan, a few domestic participants could not come to Tokyo. Several registered overseas participants could not come due to the entry visa or the approval of the institute.

The outline of the congress is available at YouTube.

Local Organizing Committee would like to express our gratitude to Mr. Vijay S. Paul, who created the YouTube video until 4am of the final day of the congress.

Welcome Reception

Prof. Paulin N. Kawamoto, Welcome Reception Chair

The R10 SYWL Congress 2024 program opened with a welcome reception on the evening of August 29, 2024 with welcome addresses by the 2024 R10 SYWL Congress General Co-Chair Yoshikazu Miyanaga, IEEE Member Geographic Activities Vice President Deepak Mathur, and the 2022 R10 SYWL Congress General Chair CheonWon Choi. Following an introduction of the contest activities and program for the congress, guests were welcomed with a traditional Japanese style “kagami-wari” ceremony of celebration in which decorative mallets are used in an orchestrated, collaborative motion to open a wooden “sake” (rice wine) barrel for kicking off the reception. Participants were treated to a live performance of traditional Japanese performing arts including the Japanese “shishimai” (lion dance) and the comical “hyottoko” and “otafuku” mask dancers weaving in and out of the audience.

Candid moments from welcome reception

Keynote Session

Prof. Yasuharu Ohgoe, Program Committee Chair

The SYWL Congress featured two keynote sessions, three plenary talks, breakout sessions (Student, YP, WIE, LMAG), and member development sessions. In the keynote sessions, Tom Coughlin (2024 IEEE President & CEO) emphasized retaining younger members, the future of education, industry engagement, and workforce development. Kathleen Kramer (2024 IEEE President-Elect) focused on leveraging "One IEEE" to enhance global impact. Alberto Tam Yong, from IEEE Young Professionals, highlighted the resources available for early-career engineers, including networking events, mentorship, and career advancement tools, showcasing the vibrant community within IEEE Young Professionals.

In the plenary sessions, Ruben Barrera-Michel (IEEE MGA SAC Chair), Celia Shahnaz who joined online (IEEE WIE Chair), and Rajendra K. Asthana (IEEE MGA LMC Chair) presented on “Student Retention and Transition,” “Diversity and Inclusion for Women Empowerment and Advancement,” and “IEEE Life Member Committee.” These presentations addressed key topics for students, young professionals, women engineers, and life members. The discussions emphasized the importance of sharing and expanding the value of IEEE activities.

Highlights from the keynote session

Student Track

Prof. Yusuke Kozawa, Students Track Co-Chair

The IEEE Region 10 SYWL breakout sessions for students were held across three interactive and insightful sessions, with two on August 30th and the final session on August 31st. These sessions were designed to promote networking, collaboration, and professional development for students. The topics covered ranged from strategies for effective networking, and insights into IEEE tools and resources, to the impact of AI in research and publications. One of the highlights of the event was the fun and engaging pasta and marshmallow game, where students from different Sections worked together in groups to complete the challenge. This activity fostered interaction and

IEEE R10 SYWL CONGRESS 2024 (CONTD.)

teamwork among participants. The event provided a well-rounded experience, combining educational talks with engaging activities, ensuring that students left with valuable knowledge and new connections.

Group activity highlights from the student track

Young Professionals Track

Mr. Yutaro Ishigaki, YP Track Co-Chair

The YP track consisted of a panel discussion, a talk session, and a group discussion, designed to provide young professionals with valuable insights for career development and success in the tech industry, while promoting knowledge sharing and collaboration among members. In the panel discussion, topics of great interest to young professionals were explored, such as "How to transition from individual success to collective impact in the tech industry." The talk session featured two lectures focused on how to leverage emerging technologies to drive innovation and growth, along with introductions to IEEE activities and platforms for the topic. The group discussion started with YP representatives presenting platforms and initiatives that promote collaboration and knowledge sharing among volunteers, followed by brainstorming sessions where YP activities and collaboration were discussed. Representatives from outside Region 10 also participated online. Across the three sessions, participants gained valuable insights and collaboration opportunities.

Candid moment from YP track

Women in Engineering Track

Ms. Hiroko Nagashima, WIE Track Co-Chair

WIE Session had 1 keynote speech, 5 showcases, 1 panel session and 1 table talk session. In the keynote speech, Prof. Kathleen Kramer, IEEE President-Elect, gave the presentation about the importance of global and diverse membership, collaboration as IEEE members, and finding a mentor for own career. Besides, we talked with four panellists in a panel session about “Working Together: Overcoming Obstacles and Celebrating Achievements in Engineering”.

There were over 30 attendees each day. Every sub-session was exciting, especially communication time, which was given as an opportunity to talk with participants, such as self-introductions and table talks among participants.

Delightful memories from the WIE track

Life Members Track

Dr. Toshitaka Tsuda, Life Member Track Chair

LM-related activities started with the presentation of Mr. Rajendra Asthana, MGA LMC Chair, introducing LMC activities as the plenary talk, then three LM sessions were conducted. Nine presentations were given, five from India three from Japan and one from Malaysia. Among nine presentations, five presentations were best practice reports of each LMAG, one was the introduction of IEEE Milestones, two were technical overviews, and one was the presentation of the coming to LM Track at the R10 HTC Conference. All the presentations were informative and interesting for the participants and a hot Q&A was conducted.

At the Award Night, LM Individual Service Award to Dr. V K Damodaran, and the Outstanding LMAG Achievement Award to LMAG Kerala were handed by Prof. Hashimoto,

IEEE R10 SYWL CONGRESS 2024 (CONTD.)

R10 Director-Elect, then R10 LMC Certificate of Appreciations were handed to thirteen active LMAGs.

Candid moment from LM track

Awards Night

Prof. Aiko Uemura, Award Night Session Co-Chair

The award night took place on August 30th, beginning at 18:00, followed by a cultural performance of Tsugaru Shamisen by Mr. Chikudo Takahashi. The mesmerizing performance, which included improvisation, enthralled the audience. Following this exceptional performance, two awards were presented, including the 2024 IEEE Life Member Individual Service Award and the 2024 IEEE Outstanding LMAG Award. Additionally, R10 LMAG Certificates were awarded to 13 organizations for their outstanding activities in 2023. The event concluded with special promotions for IEEE PROCOMM, IEEE Rising Star Event, TENSYMP 2024, and HTC 2024.

Memorable moments from a night of celebration and recognition

SYWL Joint Session

Prof. Kojiro Nishimiya, SYWL Joint Session Co-Chair

Mousmi Ajay Chaurasia (Volunteer Upskills and Engagement) and Kojiro Nishimiya (Tokyo SIGHT) co-hosted the SYWL Joint Session, which transcended the boundaries of the respective Affinity Groups. The session began with a welcome speech by R10 Director, Lance Fung. After that, Mousmi gave a few words and Nishimiya explained the purpose of the session. Then, Prof. Jennifer C. Dela Cruz gave a speech on behalf of the Student Group, Dr. Aishwarya Bandla gave a speech on behalf of the Young Professional Group, Dr. Agnes Irwanti gave a speech on behalf of Women in Engineering, and Dr. Toshitaka Tsuda spoke on behalf of the Life Member Affinity Group. These talks were not only about the characteristics of each Affinity Group but also about the benefits of co-sponsoring each of them, in order to create a beneficial eaction in future activities. The second half of the session consisted of a mixed group discussion among members of each Affinity Group. The theme was “Delusional Best Practices. Each group was asked to propose an event that they would like to try in the future, even if it has not been realized before. The ideas were shared with all participants after the Congress.

A capture from the SYWL joint session

Poster Session

Ms. Mayumi Suzuki, Poster Session/Cultural Night Co-chair

The poster session featured a diverse array of 37 booths, including four sponsor booths, seven activity introduction booths, one R10 Flagship conference booth, 11 cultural booths representing various countries, one booth from Nagoya Convention Bureau, and 11 Robotics Competition booths as part of a parallel event, along with two Industry Engagement Workshop booths. The photo booths, showcasing Japan’s iconic landmarks, alongside local food trucks and fruits, were a delightful highlight. Participants, adorned in items representing their countries, enthusiastically engaged in a bingo rally, fostering connections and deepening intercultural bonds in a vibrant atmosphere.

IEEE R10 SYWL CONGRESS 2024 (CONTD.)

Poster session

Cultural Night

Prof. Kojiro Nishimiya, Poster session/Cultural Night Co-chair

On the final evening of the R10 SYWL Congress, the highly anticipated Cultural Night took place, celebrating the rich diversity of the Asia-Pacific region. The event began with a captivating introduction to traditional Japanese performing arts. Yuki Yokota performed a graceful Japanese dance, accompanied by Tomomi Niji (Nanairo Shamisen), who later presented *Kawachi Ondo* after a brief cultural lecture. The performance ended on an energetic note as the audience enthusiastically joined in the dancing.

Following this, the host country's Japanese Sections organized a national sake event, offering a selection of sake and soft drinks, each representing the pride of Japan's various regions.

Cultural Performances by the Japanese Section

The highlight of the night was the Cultural Performance session, where participants showcased traditional music and dances from their respective countries. The atmosphere was filled with joy and unity as everyone joined in, dancing together and celebrating each other's cultures, transcending national boundaries in a spirit of harmony and friendship.

Traditional performances by overseas participants

Humanitarian Session

Ms. Emi Yano, Humanitarian Session Co-Chair

The Humanitarian Session, co-chaired with Saurabh Soni from IEEE R10 HTA, brought together experts to discuss impactful projects in renewable energy and robotics.

Keynote presentations highlighted innovative efforts in humanitarian technology. Prof. Takao Terano from Chiba University of Commerce shared the university's journey toward becoming Japan's first "100% renewable energy university" and introduced the Societal Prototyping Design (SPD) framework as a solution to overcome challenges. Prof. Zhidong Wang from Chiba Institute of Technology discussed cooperative robot control, focusing on advancements in human-robot interaction and micro/nano-robot systems. Dimuthu Anuraj also shared insights into IEEE HTB and SIGHT initiatives, emphasizing their impact in advancing humanitarian technologies.

Glimpse from the Humanitarian Track

As the final session of the IEEE R10 SYWL Congress Plenary, the venue was filled with attentive members.

Hospitality Program

Ms. Mayumi Suzuki, Poster Session/Cultural Night Co-chair

The hospitality program for 120 overseas participants, divided into three groups of 40, kicked off on the evening of September 1st. Participants enjoyed three diverse tours, each offering a unique glimpse into Tokyo's cultural and historical highlights. The tours included a visit to the TOKYO SKYTREE Tembo Deck and an Asakusa walking tour, a scenic Tokyo River cruise with a stop at the Hamarikyu Gardens, and an exploration of the Meiji Shrine followed by a Harajuku walking tour.

2024 R10 ROBOTICS COMPETITION

Zia Ahamed, Vice Chair , IEEE R10 Professional Activities

The competition is open to IEEE students and Graduate members and is held in three stages, starting from initial rounds at the local IEEE Section level and progressing through the two stages at the Region 10 level. The competition assessment criteria at all three stages focus more on the demonstrated learning and personal development, usefulness, efficiency, and affordability of the robots.

Stage 1

In Stage 1 IEEE Sections organize local robotics competitions to select up to two teams to represent the Section and compete in Stage 2. IEEE Sections are also encouraged to organize robotics activities such as technical talks, hands-on workshops, and robotics competitions for school children to inspire young people to STEM. R10 provides funding for ten best proposals for conducting local robotics activities.

Stage 2

In Stage 2, R10 conducts an online selection process to pick the top ten teams/projects from the teams nominated by the Sections. At Stage 2, the competing teams are required to demonstrate their robot functions and answer judges' questions in an online session.

Stage 3

Stage 3 is the final round for the top ten teams in which they are required to demonstrate the full functionality of the robot at a physical gathering organized by IEEE Region 10. IEEE R10 Robotics Competition 2024 final round was held at Meiji University Nakano Campus, Tokyo, Japan in parallel with IEEE R10 SYWL 2024. IEEE President-Elect Prof Kathleen Kramer opened the final round. IEEE President Tom Coughlin also attended the proceedings of the competition and delivered the closing address. This year the judging panel found two teams very close to claiming the first prize. After deliberation, the judges recommended both teams for the first prize.

Participants at R10 Robotics Competition final rounds

Winners

First Prize:
Team Latency Zero (IEEE Kerala Section), Mar Athanasius College of Engineering, Kothamangalam, India for the project: Autonomous Landmine Detection Robot.

Team "ALBATROSS" (IEEE Madras Section), KIT – Kalaignar Karunanidhi Institute of Technology, India for the project: Under Water Robot for Inspection and Salvage

Second Prize:
Team NITRo (IEEE Nagoya Section), Nagoya Institute of Technology, Japan for the project: Rescue Robot "IMAX"

Third Prize:
Team Trirobs (IEEE Karachi Section), Salim Habib University, Pakistan for the project: Robotic grasper with integrated haptic feedback mechanism

For the highlights of the 2024 R10 Robotics Competition final round please visit: https://robocomp.ieeer10.org/

FINAL ROUNDS OF 2024 R10 ROBOTICS COMPETITION

Emi Yano, IEEE R10 Humanitarian Activities Committee Chair

On 30 August 2024, the IEEE Region 10 Robotics Competition took place at Meiji University's Nakano Campus in Tokyo, Japan. This highly anticipated event brought together innovative teams from across the R10 to showcase their expertise in robotics and present solutions that address critical global challenges.

The event was locally coordinated by Emi Yano, Chair of the IEEE R10 HTA Committee, and Kohei Ohno from Meiji University, whose leadership helped ensure a smooth and successful event. The competition was overseen by R10 Robotics Competition Team Lead, Dr. Zia Ahmed, and Competition Coordinator, Dr. Akila H. Wijethunge. A distinguished local panel of four robotics experts, chaired by Prof. Zhidong Wang from Chiba Institute of Technology, conducted a thorough evaluation of each team's project. After a rigorous selection process, the top four teams were awarded 1st through 3rd place honors.

Throughout the event, the participants demonstrated impressive creativity and technical excellence. Their projects addressed a wide range of challenges and underscored the importance of robotics in solving real-world issues.

Notable IEEE leaders such as Tom Coughlin, 2024 IEEE President; Kathleen Kramer, 2024 IEEE President-Elect; and Prof. Toshio Fukuda, IEEE Past President, also visited the competition, encouraging the participants and recognizing the potential of their projects.

The IEEE R10 Robotics Competition 2024 provided a unique opportunity for young engineers to showcase their innovations, network with their peers, and contribute to the growing field of robotics. For more information and photos from the event, visit the official website: IEEE R10 Robotics Competition 2024.

Ten teams participated in the final rounds

- Team Agrian- IEEE Kolkata Section
- Alorint -IEEE Indonesia Section
- Latency Zero- IEEE Kerala Section
- NITRo - IEEE Nagoya Section
- Trirobs- IEEE Karachi Section
- ALBATROSS - IEEE Madras Section
- Team Zyro - IEEE Kerala Section
- MapSphereX - IEEE Nagoya Section
- The University of Adelaide Team -IEEE South Australia Section
- ForestReviver - IEEE Kolkata Section

R10 WIE - DEI GRANT 2024

Dewi Liliana, Agnes Irwanti
IEEE R10 Women in Engineering Committee

The 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. To achieve this mission, IEEE R10 WIE has set up an initiative of Diversity, Equity, and Inclusion (DEI).

Main Objective of the DEI Grant 2024

DEI initiative has three objectives:

1. Promoting diversity
2. Advancing equity
3. Fostering inclusion

among R10 WIE members.

The mission is to increase the representation of underrepresented groups, such as women, minorities, and individuals from diverse backgrounds, by creating an environment where all members feel valued, respected, and empowered to contribute. Ensuring equitable access to resources, opportunities, and support for professional development and advancement for all R10 WIE members.

To support this mission, R10 WIE launched a program – DEI Grant 2024. We encouraged submissions related to promoting diversity, equity, and inclusivity in engineering education and the workforce.

Themes of the DEI Grant 2024

Three themes were set in this grant, namely;

1. Theme 1 - Diversity Awareness
2. Theme 2 - Gender Equity and Inclusion
3. Theme 3 - Accessible and Inclusive Environment

Figure 1 illustrates the distribution of the proposals among the three themes.

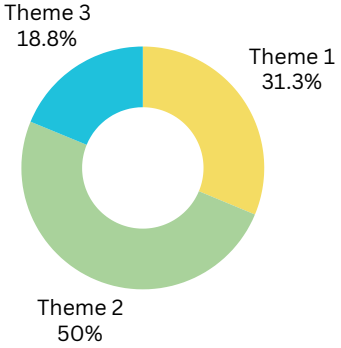


Figure 1: Distribution of received proposals among themes

After the socialization at the beginning of the year, two stages were carried out to obtain grantees: Expression of Interest (EOI) and proposal.

In the first stage, as many as 48 EOIs were submitted to the committee, 60% of which came from WIE Affinity groups and 40% from WIE Student Branch Affinity Groups.

Figure 2 illustrates the distribution of received proposals among WIE AGs and WIE SBAGs. Out of the 48 EOIs, 12 applicants were invited to submit DEI Grant proposals, which were coming from the Sri Lanka Section, Victorian Section, Hyderabad Section, Kerala Section, Kolkata Section, and Lahore Section.

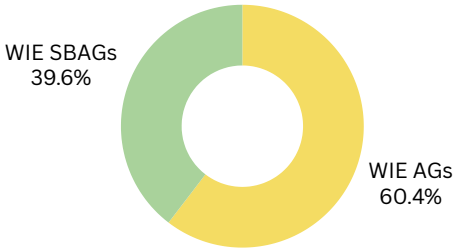


Figure 2: Distribution of received proposals among WIE AGs and WIE SBAGs

Finally, 10 proposals; 70% from WIE Affinity groups and 30% from student branches that meet the selection requirements which include originality, Section support, impact, measurement, and visibility were chosen by the R10 WIE – DEI subcommittees.

The Selected Proposals

The selected proposals are:

1. Empowering Diversity in Cybersecurity through Gender-Inclusive Education; WIE Student Branch, Sri Lanka Section
2. A step beyond BINARY – Let's break the GLASS CEILINGS; WIE Affinity Group, Hyderabad Section
3. Open Horizons:Bridging Gaps,Building Futures; WIE Affinity Group, Kerala Section
4. Women in AI Panel; Victorian Section
5. School children for IoT based Accessible and Inclusive Environment creation; WIE Affinity Group, Kolkata Section
6. WIN the Room - Women in Negotiation (WIN) the Room; S WIE Affinity Group, ri Lanka Section
7. ENABLE: Empowering New Abilities & Broadening Learning Experiences; WIE Student Branch, Kerala Section
8. ELLENOVE; WIE Affinity Group, Kerala Section
9. SheTech - AI for her; WIE Affinity Group, Lahore Section
10. WIEve Epilogue 2.0; WIE Student Branch, Kerala Section

Each grantee is supported by IEEE R0 WIE of a maximum of USD 400 funding. The activities carried out include inclusive teaching practices, equity in research and innovation especially in STEM fields, industry partnerships for inclusion, promoting inclusive workplaces, DEI workshop which aims to raising awareness of DEI among R10 WIE members.

INDIVIDUAL IMPROVEMENT AND EMPOWERMENT COMMITMENT TO STRENGTHEN CONTRIBUTION AND TO EXPAND THE IMPACT

Agnes Irwanti, Nur Afny C. Andryani, Zuhaina Zakaria, IEEE R10 Women in Engineering Committee

The Women in Engineering (WIE) track of the Student Young Professionals Women in Engineering and Life Members Congress (SYWL) Congress 2024 kicked off with an inspiring speech highlighting the theme "Strengthening Contribution and Expanding Impact", amid rapid technological advancements by IEEE R10 WIE Committee Chair highlighting the importance of empowering women in engineering through skill development, lifelong learning, and leadership.

The WIE Track at the IEEE SYWL Congress 2024 was held over two days, 30-31 August, 2024, and received support from Prof Lance Fung, IEEE R10 Director during preparations until post-event, and from Celia Shahnaz, IEEE WIE Chair. Participants and Speakers representing 12 countries namely the United States of America, Indonesia, Japan, Malaysia, India, Sri Lanka, Bangladesh, New Zealand, Singapore, Thailand, Australia, and Pakistan enlightened the WIE track covering number of activities.

A line with the key messages delivered by Keynote Speaker, Kathleen Kramer, the IEEE President-Elect 2024, who highlights the role of IEEE in the progression of leadership in Engineering and Technology. In addition, she emphasized the obligation of Leaders in Tech to ensure Diversity, Equity, and Inclusivity (DEI) empowerment.

Addressing the DEI issue, she promoted some potential implemented strategies such as Engagement improvement, Education for awareness, Accountability, Celebration, and Communication to deliver DEI in every empowerment initiative in IEEE. In the context of women's representation in Engineering, the DEI spirit should be utilized to promote transformational leadership to improve women's representation in Engineering Leadership.

WIE Showcases (Day 1)

The session featured inspiring showcases from IEEE R10 WIE members, focusing on three critical themes: Inspiring talk from women in engineering- young professionals, women's contributions to climate action, and women's empowerment in STEM.

Women in Engineering from Young Professionals

Deepika Saxena and Terumi Umematsu shared their experiences as young professionals in Japan. Deepika, originally from India, earned a postdoctoral position after receiving the best PhD thesis award. Terumi gained confidence through international exposure during her master's studies, inspiring her to support young professionals in Japan.

Role of Women in Climate Action

Ramalatha Marimuthu, Norliza Mohd Noor, and Riri Fitrisari emphasized women's critical role in climate action through innovative technologies and policy advocacy. They highlighted deforestation's impact on global temperatures and encouraged adopting accessible climate initiatives to prioritize sustainability, reawakening collective efforts in combating climate change.

Women Empowerment in STEM

The speakers of this session, Nur Afny C. Andryani (Indonesia), Dulsha Kularatna-Abeywardana (New Zealand), and Rasmi Agarwal (India) addressed the global landscape of women's empowerment, advocating for increased representation of women in leadership roles. They proposed three key approaches to enhance women's presence in STEM: raising awareness of gender equity, promoting education and training, and championing community initiatives. The speakers also shared success stories of WIE-initiated activities in their countries aimed at increasing the capability and representation of women in STEM. These sharing stories stimulate collaboration planning among R10 WIE members.

The panel session led by Hla Nu Phyu, and Foram Chandarana, brought together insights from IEEE leaders on the topic "Working Together: Overcoming Obstacles and Celebrating Achievement in Engineering, followed by Thematic Discussion.

Notable speakers including Deepak Mathur, IEEE VP MGA, Akinori Nishihara IEEE R10 Past Director, Takako Hashimoto IEEE R10 Director-Elect, and Agnes Irwanti, Chair IEEE R10 WIE, joined the session and stimulated participants to initiate a collaborative project addressing climate action and women progression in STEM representation by embracing different perspectives. The series of activities the two-day WIE track of SYWL 2024 was focused on inspiring and encouraging each other to continue to foster collaboration, support one another, and champion the cause of women in engineering!

IEEE R10 PAC TECHNOLOGY PANEL SERIES INAUGURAL SESSION

Kavinga Upul Ekanayake , Sub Committee Member , IEEE R10 Professional Activities Committee

The inaugural session of the IEEE R10 PAC Technology Panel Series titled "Renewable Energy Integration and Engineering Careers" was held on 3 August 2024, at Mavisuru Studio, Institute of Engineers Sri Lanka, Colombo. Organized by the IEEE R10 Professional Activities Committee in collaboration with the IEEE Sri Lanka Section, the hybrid event saw active participation from 30 individuals attending physically and 40 joining online. This session marked the beginning of the Pioneering Perspectives panel series, designed to address key issues in the field of engineering and technology.

The event commenced with opening remarks by Prof. Takako Hashimoto, IEEE R10 Director-Elect, who warmly welcomed the panelists and participants. This was followed by a presentation by Dr. Daneil Eghbal, Chair of the IEEE R10 Professional Activities Committee, who introduced the series and its objectives of fostering dialogue between industry and academia. Eng. Dushyantha Wanniarachchi, Chair of the IEEE Sri Lanka Section, introduced the session's moderator, Dr. Akila Wijethunga, who led the discussions throughout the event.

Key Discussion Points

The panel featured five distinguished speakers, each offering insights into the interSection of renewable energy integration and the future of engineering careers.

Mr. Sisira Weeratunga, General Manager of Grid Planning at Energy Queensland, Australia, kicked off the panel by sharing insights into Australia's energy transition, with a focus on solar energy, battery storage, and electric vehicles. He emphasized the importance of minimum demand as a key challenge for energy planners and discussed the skill sets required to facilitate the transition to renewable energy in the Australian energy sector.

Dr. Chandima Ekanayake from the University. of Queensland highlighted the critical role of academia in research and development, illustrating how academic institutions are fostering innovation and collaboration with industry to support Australia's green energy goals. His discussion set the stage for understanding the symbiotic relationship between education and industry in tackling the global energy crisis.

From a Sri Lankan perspective, Prof. Udayanga Hemapala, Dean of the Faculty of Engineering at the University of Moratuwa, addressed the role of academic professionals in supporting the country's renewable energy transition. He underscored the importance of education and research in shaping a workforce equipped to handle the future demands of sustainable energy. He also highlighted the importance of aligning academic curricula with industry needs to drive national sustainability goals.

Dr. Pradeep Perera, Director General of the Power Sector Reform Secretariat at the Ministry of Power & Energy, shed light on the government's policies and targets for Sri Lanka's green energy transition. He discussed the challenges faced by the government in implementing these policies, while also outlining opportunities for growth in the energy sector.

Concluding the panel, Dr. Thilak Siyambalapitiya, Managing Director of Resource Management Associates, offered a comparative analysis of Sri Lanka's current status in green energy compared to neighboring countries. He emphasized the need for cooperation between both private and public sectors to enhance the country's efforts in transitioning to renewable energy.

Spotlight from the panel discussion

Outcomes and Impact

The event successfully facilitated meaningful discussions, bridging the gap between academia and industry while offering valuable career insights for engineers. The hybrid format enabled broader participation, engaging professionals, academics, and students across different regions.

This inaugural session set the tone for future panels in the IEEE R10 PAC Technology Panel Series, which will continue to explore critical topics in various engineering and industry sectors.

2024 IEEE VOLUNTEER TRAINING SESSION AND STUDENT EVENT

Mousmi Ajay Chaurasia, Amit Kumar, Jennifer Delacruz, Yinghong Wen

The 2024 IEEE Volunteer Training Session and Student Event was held on 16-17 August 2024 at the Science Hall of Beijing Jiaotong University, China. The event was a collaboration between three IEEE Region 10 committees;
Volunteer UpSkill and Enhancement Committee (VUEC)
Section Chapter Committee (SCC)
Student Activities Committee (SAC), along with IEEE MGA and the IEEE China Council.

The School of Automation and Intelligence and Jeme Tienyow Honors College hosted the event to enhance leadership skills, foster collaboration, and explore opportunities within IEEE for members, volunteers, and students. Senior IEEE volunteer leaders and student leaders discussed various topics, including career growth through IEEE, student branch management, time management, and applying to become a volunteer leader. Over 125 participants engaged in insightful sessions and discussions.

Day 1 Program

The event was inaugurated by three eminent IEEE leaders:

1. Mr. Deepak Mathur, 2024 IEEE MGA Vice President
2. Prof. Lance Fung, 2023-24 IEEE R10 Director
3. Prof. Takako Hashimoto, 2023-24 IEEE R10 Director-Elect

The event began with notable remarks from distinguished IEEE leaders, including Mr. Deepak Mathur, Prof. Lance Fung, Prof. Takako Hashimoto, Prof. Yinghong Wen, Prof. Mousmi Ajay Chaurasia, and Prof. Haoye Wang. Mr. Deepak Mathur thanked the volunteers for organizing the first in-person volunteer training event in China since the pandemic. He also congratulated Mousmi Ajay Chaurasia for her collaboration with IEEE MGA. Prof. Lance Fung commended the hard work of the R10 committees and encouraged volunteers from China to pursue leadership roles within IEEE. Prof. Jing Dong, IEEE R10 Ex-Com member and Chair of the Award & Recognition Committee, delivered an inspiring keynote on the Growth of Career through IEEE, emphasizing how volunteering can enhance visibility and professional development within the organization.

Dr. Amit Kumar, Chair of the IEEE R10 Section/Chapter Committee, followed with a keynote on Collaboration Among IEEE Societies and Student Branch Chapters. He highlighted opportunities within IEEE Sections, outlined the benefits of engaging with various societies, and shared global best practices for building and maintaining successful Sections and chapters. Both speakers underscored the importance of active participation in IEEE for career growth, networking, and fostering leadership skills within the community.

Day 2 program

The Day 2 focused on student activities and featured inspiring stories for students, women, and young professionals. Several best practices were highlighted, alongside a team-building activity that brought all participants together. The session was filled with fun, motivation, and opportunities for collaboration, fostering mutual respect and an exchange of ideas. Prof. Jennifer DelaCruz, Chair of the IEEE R10 Student Activities Committee, and Ms. Warunika Hippola, IEEE R10 Student Representative, delivered a keynote speech titled *IEEE Students: Connect, Learn, Lead, and Thrive*.

Dr. Chengxi Han, GRSS SB Chair encouraged all attendees with his achievements and skills of time management for IEEE and profession. The day wrapped up with an engaging live demo session by Mousmi Ajay Chaurasia on VTools, OU Analytics, and IEEE CLE. Attendees responded with great enthusiasm, and 5-6 volunteers expressed interest in contributing at the council and Section levels. Participants actively engaged with one another, expressing their appreciation to the speakers for sharing valuable insights and showcasing opportunities in scholarships, research, and volunteering. The event was well-organized and highly impactful, with discussions on volunteerism, time management, and collaboration proving both informative and inspiring. The keynote speeches and team-building activities promoted strong collaboration. Special thanks to MGA, Region 10 speakers, and the China Council for their unwavering support in making this event a success.

Dr Amit Kumar and Prof Jing Dong addressing the gathering

Team building session

IEEE REGION 10 SECTION CHAPTER COMMITTEE

Amit Kumar , Chair, IEEE R10 Section Chapter Committee

For the 2024 Mini Symposium/Program, the committee has selected several Operational Units (OUs) for participation, including the IEEE Vietnam Section, IEEE Sri Lanka Section, IEEE Madhya Pradesh Section, and Islamabad Section. These selections reflect the commitment to fostering collaboration and innovation within the region.

Furthermore, the R10 Section and Chapter Incentive Programme has identified notable Sections and society chapters for recognition. Selected Sections include the IEEE Seoul Section, Victorian Section, Kochi SubSection, and Bangalore Section. The following chapters have also been shortlisted: IEEE Education Society Chapter (Kerala Section), IEEE Signal Processing Society Chapter (Gujarat Section), IEEE Dielectrics and Electrical Insulation Society (DEIS) Chapter (Malaysia Section), and IEEE Vehicular Technology Society Chapter (Bangalore Section).

In terms of organizational growth, the Region 10 Section Chapter Committee has successfully endorsed 39 new Section Chapter petitions till September. Several petitions have been endorsed, including one for a Geographical Council and two for Section elevations.

Upcoming petitions that will be tabled at the 2024 November Board Meeting include:

- Maldives SubSection formation
- Nepal Section elevation
- Bhubaneswar Section elevation
- South East Asia Council Formation

The committee has also engaged in collaborative initiatives, such as organizing a Volunteer Training Program on 16-17 August 2024 in Beijing, China, in partnership with VUEC Adhoc and SAC. A poster was presented at the 2024 SYWL in Tokyo on August 1st, highlighting networking best practices. A recent delegation visited the Fiji SubSection from September 13-20 for volunteer engagement and to consider subSection-to-Section elevation in the near future.

Visit to Fiji SubSection

Another delegation is planned to visit the Maldives from November 8-12 for member engagement and volunteer training for the soon-to-be-formed subSection.

The 4th edition of the Section Chapter Symposium is scheduled for 3-4 December 2024, in Singapore, with registration currently open at https://sc.ieeer10.org/sc-2024. We encourage all volunteer leaders to participate and take advantage of these opportunities for professional growth and networking.

Stay connected for more updates and initiatives!

IEEE R10 SCC at SYWL 2024

COMMONWEALTH SOLAR-MOUNT STROMLO OBSERVATORY'S ENDURING LEGACY

Ambarish Natu, Immediate Past Chair IEEE Australian Capital Territory Section and Special Citation Proposer

The Commonwealth Solar-Mount Stromlo Observatory (CSO/MSO) is one of Australia's most historic astronomical institutions, with a legacy spanning over a century. Established in 1924, it has pioneered both solar and stellar astronomy, making significant contributions to our understanding of the universe.

The observatory's story began in 1905 with early lobbying efforts for a national solar observatory. After World War I, astronomer Walter Geoffrey Duffield took up the campaign, and the observatory became operational in 1924 with Duffield as its founding director. The site featured the Heliostat, which, along with the 3-prism spectrograph, contributed to the production of the Solar Spectrum Atlas—an influential reference for solar research worldwide.

During World War II, the observatory shifted its focus to aid the war effort, operating as an Optical Munitions Factory that designed gun-sights and other optical devices. After the war, the observatory transitioned from solar to stellar research, contributing to the discovery of exoplanets and investigating dark matter through the MACHO project. CSO

researchers also played a crucial role in understanding the universe's accelerating expansion—a finding that earned Brian Schmidt and his team the 2011 Nobel Prize in Physics.

The observatory has faced significant challenges, most notably the devastating 2003 firestorm, which destroyed much of its infrastructure. Through joint efforts by the Australian National University (ANU) and government support, the observatory was restored and remains a hub of scientific exploration and public engagement.

Today, the observatory continues to inspire future generations through workshops, tours, and educational events. Despite ongoing funding challenges, CSO's legacy remains one of resilience and discovery, a testament to its crucial role in both science and public education.

In recent years, the observatory also hosted significant events, including the first IEEE Special Citation Ceremony within R10 on September 3, 2024, organized by the ACT Section in Canberra. The event, attended by IEEE President Thomas Coughlin, IEEE R10 Director-Elect Takako Hashimoto, and senior members from ANU and the engineering community, celebrated the facility's historical and scientific contributions.

IEEE SPECIAL CITATION CEREMONY FOR COMMONWEALTH SOLAR OBSERVATORY

Takako Hashimoto, IEEE R10 Director-Elect

Contd from Page 1

This event marked a significant milestone in recognizing the historical importance of the Commonwealth Solar Observatory (CSO) and the engineers who played pivotal roles in its development. The ceremony celebrated the Observatory's century-long contribution to solar research and the engineering achievements that have sustained it.

Special Citation Overview

The IEEE Special Citation is a recognition established to honor noteworthy engineering contributions in cases where a full IEEE Milestone may not be applicable but where the contributions are nonetheless deserving of special recognition. The Special Citation for the Commonwealth Solar Observatory is particularly noteworthy, as it is the first Special Citation ever awarded in IEEE Region 10. This recognition reflects the observatory's pivotal role in advancing solar observation and engineering heritage, highlighting its global impact.

The citation process was initiated by Mr. Ambarish Natu, the Immediate Past Chair of the IEEE ACT Section, in 2022. Professor Brian Schmidt and others key supported the nomination. Thanks to their efforts, the IEEE recognized this site in time for its 100th anniversary, honoring the Observatory's longstanding impact.

Right to Left 1. Prof Stuart Wyithe, Director Research School of Astronomy and Astrophysics, Australian National University 2. Prof Celine d'Orgeville, Director Advanced Instrumentation & Technology Centre, Australian National University 3. Dr Tom Coughlin, 2024 IEEE President 4. Prof Rebekah Brown, Provost and Senior Vice-President, Australian National University 5. Prof Takako Hashimoto, 2024 IEEE R10 Director Elect 6. Mr Ambarish Natu, Immediate Past Chair, IEEE Australian Capital Territory Section and IEEE Special Citation Proposer.

Pre-Ceremony Visit and Milestone Achievements

On the day before the ceremony, participants had the opportunity to visit the Heavy Ion Accelerator Facility (HIAF), which is under consideration as the next IEEE Milestone for the region. The visit provided insight into the facility's contribution to nuclear and atomic research, further underscoring the rich engineering and scientific achievements of the IEEE ACT Section.

After the Special Citation event, participants visited the Deep Space Station, which was the first IEEE Milestone awarded to the ACT Section. This visit allowed me to fully appreciate the outstanding accomplishments of the Section, as it continues to play a vital role in space exploration and engineering innovation.

The ceremony began at Mount Stromlo Visitor's Centre, where guests, were warmly welcomed by Professor Stuart Wyithe and Provost Professor Rebekah Brown. Following a series of introductory remarks by the Master of Ceremonies, Professor Wyithe, Prof Takako Hashimoto had the opportunity to speak on behalf of IEEE Region 10, underscoring the global significance of the IEEE and our collective efforts to honor sites of such historical value. She emphasized the special importance of this citation as Region 10's first-ever recognition of this kind.

Mr. Natu followed with remarks about the IEEE Milestone process, emphasizing the collaborative effort that led to this recognition. Dr. Tom Coughlin, President of IEEE, also spoke, underscoring the importance of the citation in commemorating the essential role engineers have played at the Commonwealth Solar Observatory. The ceremony included a plaque unveiling, conducted by Dr. Coughlin, Prof Takako Hashimoto, Provost Brown, and

Professor Celine d'Orgeville, Director of the Advanced Instrumentation and Technology Centre (AITC). Following the unveiling, the attendees participated in a guided tour of the Observatory, including a visit to the AITC, which showcased the cutting-edge research and technology housed at Mount Stromlo.

Special thank goes to the event organizers, particularly Professor Wyithe, Dr. Coughlin, Mr. Natu, Professor d'Orgeville and IEEE ACT Section, for their dedication to making this event a success. Their hard work in coordinating this recognition ceremony not only honored the Commonwealth Solar Observatory's achievements but also highlighted the importance of continued collaboration between science and engineering communities.

This event holds even greater significance as it marks the very first Special Citation awarded in IEEE R10. This recognition sets a precedent for the future, encouraging further acknowledgment of important historical engineering contributions within the region.

We encourage IEEE members and volunteers to reflect on the role of engineering heritage in shaping our future and actively contribute to preserving sites and achievements like those honored in this Special Citation.

Guests visiting Heavy Ion Accelerator Facility (HIAF)

FIRST IEEE IES SYP CONGRESS 2024

Tripura Pidikiti, General Chair, IES Students and Young Professionals Congress 2024

The inaugural IEEE Industrial Electronics Society (IES) Students and Young Professionals (IES SYP) Congress was held from 24-27 July 2024, at The Plaza in Hyderabad, India. With the theme "Green Energy Technologies: Opportunities, Challenges, and Solutions," the congress attracted 85 participants from 20 different IEEE Sections, representing more than 38 IES Student Branch Chapters and IES Section Chapters creating a dynamic and culturally rich platform for exchanging ideas and fostering collaboration. Expertly organized by the IES RVR & JCCE Student Branch Chapter and the Hyderabad Section, powered by the Industrial Electronics Society, the congress marked a significant milestone in promoting innovation and engagement among society members.

Day 1: Inauguration and Keynotes

The congress opened with a vibrant inauguration ceremony featuring traditional dance performances. Keynote speakers included Prof. Milos Manic, President of IES; Prof. Antonio Luque, IES VP for Membership Activities; Ala Chalghaf, IES SAC Chair; Mr. Madhav Negi, Past Chair of the IES Hyderabad Section Chapter; and Dr. Tripura Pidikiti, Chair of the IES Chapter Hyderabad Section and Congress Chairperson. Prof. Bhuvaneswari Gurumoorthy delivered an inspiring keynote on India's transition to green energy.

Dr. Tripura Pidikiti provided opening remarks, followed by a session highlighting branch achievements with Dr. Ravindra Kommineni. Mr. Madhav Negi and Mr. Ala Chalghaf shared insights into IES's evolution and milestones. Prof. Antonio Luque explored opportunities in Industrial Electronics Society, and Prof. Milos Manic presented future trends in the field. Dr. CSR Prabhu delved into the interSection of ancient wisdom and modern sustainability practices. The day concluded with a poster session where the participants showcased their IES SBC and Chapter achievement and activities followed by a gala dinner, offering participants valuable networking opportunities.

Auspicious lighting of the symbolic oil lamp

Day 2: Sessions, Lectures and multicultural night

The second day began with a refreshing yoga and meditation session led by Ms. Malavika Gupta and Ms. Bhamini Chouhan. Technical discussions included IEEE chapter structures by Mr. Lakshitha Gunasekara and the impact of volunteering highlighted by Mr. M Sai Prashanth. Distinguished lectures featured Prof. Milos Manic's insights on AI in cyber-physical systems, Mr. B. Deepesh Kumar's exploration of advanced battery technologies, and Dr. Venkata Yaramasu's discussion on power electronics for renewable energy systems. Key sessions focused on IES

opportunities and smart grid innovations, emphasizing the future of sustainable energy.

Participants to the IES SYP Congress '24

One of the standout events of the congress was the Multicultural Night, a vibrant celebration of diversity andcultural heritage.Attendees were treated to a series of performances showcasing traditional dances, music, and theatrical acts from different regions represented at the congress.

The evening also featured cultural exhibits and displays, including food, crafts. This event fostered a sense of unity and celebration, highlighting the importance of diversity and inclusion within the IEEE community.

Day 3: Entrepreneurship and Closing

The final day featured a talk by Mr. Gopal Krishna Kuppa on entrepreneurial opportunities within the green hydrogen ecosystem. Mr. Madhav Negi spoke about actionable leadership, and Mr. Venkatesh N explored innovations in industrial automation. The congress concluded with a valedictory session, followed by a lunch and tour of Hyderabad's historic sites, including Charminar and Chowmahalla Palace.

The IEEE IES SYP Congress 2024 was a resounding success, facilitating knowledge sharing, networking, and cultural exchange while setting a high standard for future IEEE IES events. The congress highlighted the critical role of the Industrial Electronics Society (IES) in advancing sustainable energy solutions and serving as a catalyst for students and young professionals' engagement. Through interactive sessions and direct interactions with industry leaders, the event encouraged students and young professionals to explore the myriad opportunities within the IES. It empowered them to contribute to the society's goals, fostering a sense of belonging and motivation to drive innovation and make meaningful contributions to the field.

Attendees:

We were delighted to have a diverse group of 81 attendees from around the world join us for the IEEE IES SYP Congress. We welcomed 45 participants from India, 17 from Tunisia, 10 from Sri Lanka, 6 from Kenya, and 1 each from Nigeria, Jordan, Latvia, and Uganda. We also had registrants who, unfortunately, were unable to report, including 3 from Tunisia, 1 from Nigeria, and 1 each from Pakistan and Palestine. The global representation at the congress highlights the widespread interest and engagement in our event. Thank you all for contributing to the success of this event!

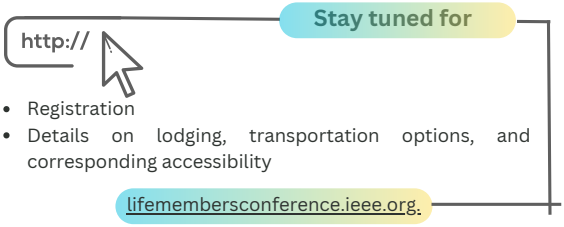
Token of appreciation presented for IES leaders

IEEE LIFE MEMBERS EVOLUTION CONFERENCE 2025

The IEEE Life Members Evolution Conference 2025 will be held 11-13 June 2025 at the Joyce Cummings Center at Tufts University, Medford, Massachusetts, in the Boston area. This conference follows the successful IEEE Life Members Evolution Conference 2024.

The Life Members Evolution Conference 2025 in Boston fits this technology conference, as Boston is one of the top tech centers in the United States and the world.

The Life Members Evolution Conference 2024 featured outstanding keynote speakers such as Rodney Brooks, AI and Robotics, and Dr. Karen Panetta, AI Research. Other speakers, such as Kendra Cook, spoke on "Space Technology for Interplanetary Exploration." Expect speakers and presenters of the same caliber in a broad spectrum of disciplines at the conference.



New to the 2025 Evolution Conference will be the addition of a Technical Papers Track. A call for papers has been circulated and can be found on the conference website.

INTERNATIONAL LEADERSHIP SUMMIT (ILS '24)

Cheon Won Choi, Chair, IEEE Region 10 Membership Development Committee

IEEE Women in Engineering (WIE) International Leadership Summit (ILS '24) was organized by IEEE WIE AG Delhi Section at the Multipurpose Hall, Kamla Devi Complex, India International Centre, New Delhi, from 10-11 August 2024. The summit's theme, "Resilience and Innovation: Navigating a Sustainable Future" encapsulates the essence of adaptability and forward-thinking in the face of challenges. It integrates the essence of overcoming challenges with adaptability and fostering creativity to build a lasting and environmentally conscious tomorrow. The summit primarily focused on tracks such as Sustainability and Engineering for Social Impact, Women in Creative Art, Empowering Women Leaders in a Changing World, and more. Mr. Deepak Mathur, 2024 IEEE Vice President -MGA, R10 was the Chief Guest of the event, Prof. Celia Shahnaz, IEEE WIE Global Committee Chair was Guest of eminence and Dr. Tanu Jain (Ex-Civil Servant (2015 Batch) & Founder Tathastu ICS) was Guest of Honor. There was special virtual presentation of Prof Takako R10 Director Global and Dr Agnes Irwanti R10 WIE Chair on Diversity & Leader ship in STEM .Prof. A.Q. Ansari, Chair IEEE Delhi Section, Prof. Subrata Mukhopadhyay, SrPE, Adjunct Professor, Netaji Subhas University of Technology (NSUT), Prof. Prerna Gaur, Chair Elect, IEEE India Council 2025 and Prof. Rachana Garg, Past Chair, IEEE Delhi Section were the Patrons of the event. They supported a lot during the event. The summit emphasized the importance of diversity, inclusion, and leadership in driving technological progress, and left participants with valuable connections and insights for the future.

The ILS 2024 had a profound impact on all participants, providing them with a platform to engage with thought leaders, share knowledge, and build networks. The event succeeded in fostering a collaborative environment where ideas could be exchanged, challenges could be addressed, and new opportunities could be explored. For the IEEE community, the summit reinforced the organization's commitment to advancing technology for the benefit of humanity, while also highlighting the critical role of leadership in shaping the future of engineering and technology. As participants return to their respective fields, the insights and connections gained from the summit are expected to drive positive change, inspire innovation, and contribute to the ongoing efforts to build a more inclusive, sustainable, and technologically advanced world. The IEEE Leadership Summit 2024 will undoubtedly be remembered as a pivotal moment in the ongoing journey toward excellence in leadership and innovation.

The event was coordinated by Dr. Rashmi Agarwal, WIE Chair IEEE Delhi Section, Dr. Sneha Kabra, Secretary WIE AG IEEE Delhi Section, Dr. Jasdeep Dhanoa, Vice Chairperson IEEE Delhi Section, Prof. Shruti Jain, Treasurer WIE AG IEEE Delhi Section, Dr. Manpreet Kaur, Member, WIE AG IEEE Delhi Section, Dr. Anuradha Member, WIE AG IEEE Delhi Section and Dr. Shivani Sharma Member, WIE AG IEEE Delhi Section.

Participants of the ILS'24

VISIT TO NTT MUSASHINO RESEARCH AND DEVELOPMENT CENTER FOR IOWN

Toshihiko Sugie, Secretary, Life Members Affinity Group, IEEE Tokyo Section

The IEEE Tokyo Section LMAG, co-sponsored by TPC, hosted a tour and lecture at NTT Musashino Research and Development Center on, 11 June 2024, with 34 participants. The tour covered the history of telegraph and telephone services, groundbreaking technologies, and services since the launch of Nippon Telegraph and Telephone Public Corporation (NTT), IEEE milestones. participants explored the progression of switching equipment, transmission, microwave/satellite systems, and the latest internet and mobile advancements at the NTT History Center of Technologies. The vision of Innovative Optical and Wireless Network (IOWN) was highlighted through exhibits of an all-optical network, photonics-electronics convergence devices, and NTT's version of the LLM "tsuzumi.".

Dr. Akira Okada, NTT Senior Vice President of R&D and Head of the Science and Core Technology Laboratory Group, gave a talk on "Device Technology for Realizing the IOWN Concept."The tour offered a valuable opportunity to learn about communication technology's history and future vision.

Group Photo at the NTT Musashino Research and Development Center

Visit to NTT History Center of Technologies

SEMICONDUCTOR COMMUNITY MEETUP

Gopalan Nair, Newsletter Editor, IEEE Kerala Section

Industry Relations, Strategic Initiatives, and Student Activities Committees in collaboration with Kerala Chapters of Photonics and SSC Societies of IEEE Kerala Section hosted the first Semiconductor Technology and Systems Community Meetup at Maker Village, Kalamassery on 8 June 2024.

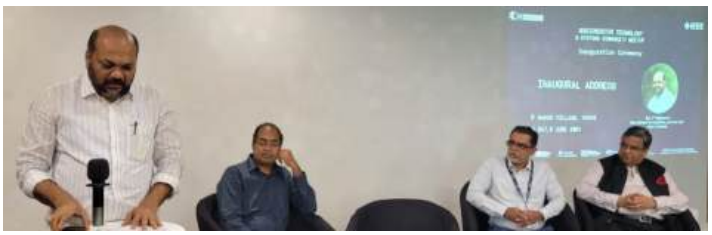
The meetup was inaugurated by Mr. P. Rajeeve, Hon. Minister of Industries and Law of the Government of Kerala. Prof. Muhammed Kasim, Chair, IEEE Kerala Section, delivered the presidential address, followed by a keynote address by Mr. PVG Menon, Advisor, ESDM. He unveiled the logo for the Semiconductor Technology and Systems Community. This was followed by felicitations by Dr. Alex P James, Dr. Suresh Nair, and Mr. Raja Rajeev Kumar.

In a later session, Mr. PVG Menon spoke on "Introduction to the Semiconductor Industry" and the potential and challenges of chip design and manufacturing. He highlighted the economics of the Electronics and Semiconductor Industry and discussed the potential boom of the Electronics Industry in India.

The panel discussion on the Semiconductor Industry was moderated by Mr. Rony Alex Thomas, Chair, Industry Relations, IEEE Kerala Sections and panelists were PVG Menon and Dr. Alex P James. They discussed the feasibility of setting up the semiconductor industry in India, and how it can become an economic powerhouse; the relationship between academia and industry, and the importance of startups.

This was followed by the talk on AGI Chips, by Dr. Alex P James, and a session on Open Source Chip Design, by Ms. Vineeta Nair, Ms. Aswani AR, and Ms. Sruthi P., research students.

Subsequently, Rijin John of Silizium Circuits spoke on his startup journey and exhibited a chip, designed by his company. This was followed by the startup story of K-Chip. The concluding session was on 'Career Opportunities in the Semiconductor Industry' by Mr. Rony Alex Thomas, who guided the students on how to establish themselves in the industry.



Spotlight from the Semiconductor Community Meetup

ELECTROCOMBAT: A THRILLING ROBOTIC BATTLE

Nuwan Ariyarathna, Student Branch Chapter, University of Sri Jayewardenepura, Sri Lanka

The Mechatronics Technology Students Society (MTSS), supported by the IEEE Industrial Electronics Society (IES) Student Branch Chapter at the University of Sri Jayewardenepura (USJ), organized ElectroCombat—an exhilarating robot battle competition held on 3 August 2024, at the Faculty of Technology, USJ, Sri Lanka. The full-day event drew around 500 spectators, with 30 competitors showcasing their custom-built robots in a series of intense battles.

Participants to the Electrocombat Robotic Battle

Highlights of the Electrocombat Robotic Battle

Participants competed head-to-head, demonstrating their engineering and robotics skills as their machines clashed in fierce rounds of combat. The excitement of the audience was palpable, with each round pushing the limits of innovation and strategy.

Supported by IEEE IES SBC USJ, ElectroCombat fostered creativity, teamwork, and technical excellence. The event concluded with an awards ceremony recognizing the top-performing teams for their outstanding performance.

IEEE REGION-10 CONFERENCE QUALITY AND MANAGEMENT WORKSHOP- IEEE KOLKATA SECTION

Chandi Pani, Newsletter Subcommittee Chair , IEEE Kolkata Section

The IEEE R10 Conference Quality and Management Workshop by IEEE Kolkata Section was successfully conducted at the Seminar Room of the Electrical Engineering Department, Jadavpur University on 6 September 2024. This event was jointly organized by the IEEE Kolkata Section and the Department of Electrical Engineering, Jadavpur University, with support from the IEEE R10 Conference Quality and Management Committee. The workshop brought together experts in electrical engineering and conference quality management to explore critical aspects of academic conference organization, quality control, and management strategies. It served as a platform for students, faculty members, and professionals to engage with esteemed professors and gain valuable insights into effective conference management practices.

International Conference on Artificial Intelligence & Sustainable Computing (AISC 2024) was Organized by the Department of Information Technology, B. P. Poddar Institute of Management & Technology, Kolkata. Choudhury School of Information Technology, University of Calcutta from 11 to 13 July 2024. This conference was technically sponsored by the IEEE Kolkata Section and the proceedings of the conference will be published by Springer in the "Information and Communication Technologies" series. There has been a submission of more than 230 papers, among which 66 papers have been accepted.

WIE, IEEE Kolkata Section technically sponsored a session at the International Conference on Data Analytics and Insights (ICDAI) 2024 in collaboration with the organizers of this international event on 27 July 2024. There were participants from 11 countries. Prof. Sheli Sinha Chaudhuri chaired the WIE-sponsored session on 27 July and selected the best paper out of the 7 papers that were presented in that session. The session was on AI-based automatic classification of different types of data and was held in hybrid mode. The program was organized on July 27, 2024, at Biswa Bangla Convention Centre on 27 July 2024 and atTechno International New Town on 28 July 2024.

A STEP BEYOND BINARY - LET'S BREAK THE GLASS CEILINGS (IEEE WIE R10 DEI FUNDED EVENT)

Gobinda Prasad Acharya, Chief Editor, IEEE Hyderabad Section Newsletter

The IEEE Hyderabad Section's Women in Engineering (WIE) Affinity Groups hosted an electrifying event that is set to ignite innovation and inclusion within the engineering community! The two-day hybrid extravaganza, held on 19-20 July 2024, was a remarkable success in promoting gender equity and amplifying inclusion in the field of engineering. Titled "A Step Beyond BINARY - Let's Break the GLASS CEILINGS," this event was powered by the IEEE WIE R10 DEI Fund and aimed to foster an environment of creativity, learning, and collaboration.

The event featured two exciting competitions that encouraged creative expression and innovative thinking: the Digital Poster Competition and the Idea Contest. There were 8 female speakers and 2 male speakers. The speakers included academicians, industrialists, Young professionals, doctors from various countries, and different age groups. The diverse participant pool highlighted the event's broad appeal and its ability to engage individuals across various affiliations, underscoring the initiative's reach beyond the IEEE community to the broader public.

Call for Articles!!

IEEE REGION 10 CONNECT

Share your volunteering experiences and boost your visibility by submitting an article to the R10 Newsletter, where your story can inspire and engage a wide audience!

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JOINT WORKSHOP ON ARTIFICIAL INTELLIGENCE, COMMUNICATIONS AND INFORMATION THEORY

Haoliang Li, Hong Kong Section Newsletter Chair

The 2024 Hong Kong, Guangzhou, and Taipei Joint Workshop on Artificial Intelligence, Communications, and Information Theory (AICIT 2024) took place at City University of Hong Kong from 20-21 July 2024. Co-organized by the Department of Computer Science at CityUHK and the IEEE Information Theory Society's Hong Kong, Guangzhou, and Taipei Chapters, the workshop provided a platform for AI and IT scholars to exchange ideas, foster collaboration, and strengthen cross-strait academic relationships.

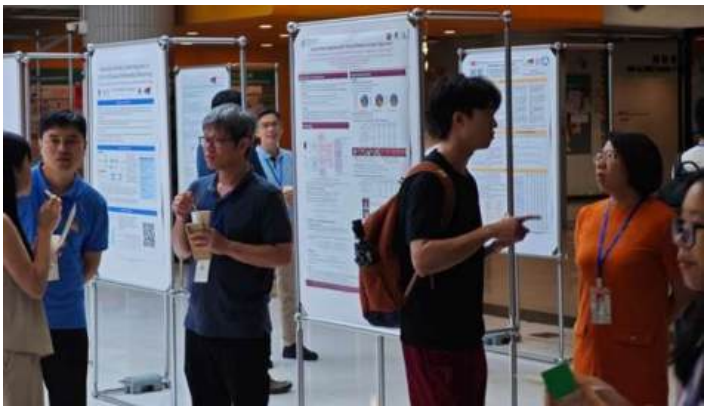
The event, chaired by Prof. Raymond Wai Ho Yeung of the Chinese University of Hong Kong and Prof. Xiaohua Jia of CityUHK, attracted over 70 participants, including students and prominent researchers. The workshop was supported by Huawei Technology Co., Ltd., and the Institute of Network Coding (INC) at the Chinese University of Hong Kong. Among the attendees were Prof. Baoming Bai, Chairman of the Chinese Institute of Electronics Information Theory Chapter, and Vice Chairman Prof. Xiao Ma.

AICIT 2024 featured 12 insightful talks and 14 student posters covering a range of topics, from information theory and coding theory to wireless communications and machine learning. The General Chair, Prof. Linqi Song from CityUHK, welcomed participants, while Prof. Li Chen from the IEEE Information Theory Society Guangzhou Chapter and Prof. Chia-Han Lee from the Taipei Chapter shared opening remarks, extending best wishes for the event's success.

Keynote Highlights

The first day's keynote speaker, Shannon Awardee Prof. Raymond W. Yeung, presented a talk on proving information inequalities using Gaussian elimination, a critical problem in information theory. He introduced a symbolic computation approach that simplifies linear programming in certain cases, making the process more efficient.

Other prominent talks included Prof. Cheuk Ting Li's presentation on one-shot coding using Poisson processes and Dr. Qiaosheng Zhang's exploration of information-directed sampling (IDS), a method balancing exploration and exploitation in machine learning. The day ended with a discussion on generative models in wireless communications



During the meeting break, participants also visited the CityU Indra and Harry Banga Gallery

by Prof. Chia-Han Lee from National Yang Ming Chiao Tung University.

A banquet was hosted to conclude the first day, where Prof. Baoming Bai gave a welcoming speech, encouraging further collaboration between researchers from Guangzhou, Hong Kong, and Taipei.

Day Two Sessions

On the second day, Prof. En-Hui Yang from the University of Waterloo delivered an online keynote on deep learning-based artificial intelligence and its integration with information theory. He shared valuable insights into Conditional Mutual Information (CMI) and its role in improving deep learning models.

Talks from Prof. Antoni B. Chan and Prof. Yu-Chih Huang covered topics such as explainable AI frameworks and the piecewise-stationary bandit problem. The day concluded with a presentation from Dr. Xueyan Niu on the strengths of Transformers in AI, and Prof. Qianqian Yang's work on reducing transmitted information by using generative models.

AICIT 2024 successfully facilitated rich academic exchanges, paving the way for future collaborations and advancements in AI and information theory.

Participants at AICIT 2024

ENGINEERS NETWORKING NIGHT

Akash Parekh, Chair, IEEE Curtin University Student Branch

On 30 August 2024, the IEEE Western Australian student branches from Curtin University and the University of Western Australia proudly hosted the highly anticipated Beers with Engineers event. This was the largest networking event of the year, featuring a series of engaging activities and insightful discussions.

The event provided a unique opportunity for students to network with leading companies in the engineering industry, gaining insights and exploring potential career paths including upcoming vacation programs, part-time positions, and graduate opportunities. The event allowed students to connect with industry professionals over food and beer!

Our company sponsors for the event included Clough, SLB, EA, Sage Automation, Accenture, Aspect Engineering Solutions and Key Engineering Solutions. A total of 26 industry professionals attended the event, with over 80 student attendees.

Event highlight at the Engineers Networking night

2-DAY WORKSHOP ON "JAVA PROGRAMMING"

G.L.Anand Babu, Advisor, IEEE SBC, Anurag University

The Department of Information Technology, Anurag University organized a two-day Java Programming workshop on 16- 17 August 2024. About 120 students actively participated in the event. The workshop began with a brief introduction by the speaker Mr. Ramesh Korivi, Technical Trainer and Corporate Relations, TASK, highlighting the importance of Java programming in modern software development.

On Day 1, Mr. Korivi provided an overview of Java, its history, and its significance as a versatile programming language. The session included an in-depth discussion on arrays, their usage, and manipulation in Java. On Day 2, Mr. Korivi introduced the fundamental concepts of Object-Oriented Programming, including Encapsulation, Inheritance, Polymorphism, and Abstraction. The session ended with Dr. G.L. Anand Babu, IEEE-SSIT Faculty Advisor, Assistant Professor, Dept. of IT, delivering the vote of thanks.

Participants to the "Java Programming" workshop

INAUGURATION OF IEEE SSIT STUDENT BRANCH CHAPTER

G.L.Anand Babu, Advisor, IEEE SBC, Anurag University

The inaugural ceremony of the IEEE Society on Social Implications of Technology (SSIT) Student Branch Chapter of Anurag University was held on 4 April 2024, at the university premisess. The event began by greeting and inviting all the dignitaries to the dais and ceremonial lighting of the lamp. Around 220 participants attended the event.

Dr. V. Vijay Kumar, Dean School of Engineering, at Anurag University, delivered an insightful lecture on emerging trends in technology, highlighting the role of IEEE in shaping the future of the IT industry.

The audience was addressed by Dr.Y.Vijayalata Reddy, Chair, IEEE Hyderabad Section, who warmly welcomed the attendees and underscored the crucial role of IEEE in fostering innovation and collaboration among students. Then, the Official Approval letter for the SB Chapter was presented to Ms. Sadhana, Chair, IEEE SSIT SB Chapter, by Dr Y Vijayalata Reddy. The website was launched by Dr Y Vijayalata Reddy.

Highlight of the inauguration of IEEE SSIT SBC

POWERING THE FUTURE: GLOBAL WORKSHOP ON RESILIENT GRIDS AND ENERGY TRANSITION

Parth Krishnan B Menon, Global Publicity Outreach Coordinator. IEEE PES Kerala Chapter

The IEEE PES Kerala Chapter and IEEE R10 India Council Chapters hosted the 5th Annual Global Workshop on "Resilient Grids: Adapting to Energy Transition" from 13-14 July 2024 at Hotel Residency Towers, Thiruvananthapuram, India. The event saw 43 attendees, including 40 IEEE members.

The inaugural session highlighted the importance of resilient grids in addressing climate change, with key addresses by Dr. Rahul Satheesh, Dr. Ajith Gopi, and Prof. V.K. Damodaran and other prominent leaders setting the tone.

The workshop featured sessions on crucial topics. Dr. Gururaj Mirle Vishwanath from IIT Kanpur discussed the role of renewables and electric vehicles in grid resilience. Prof. Mohanlal Kolhe from the University of Agder, Norway, spoke on hydrogen's potential in a sustainable energy future. Both sessions included insightful case studies and interactive Q&A discussion.

This workshop reinforced the role of IEEE in advancing innovation and addressing critical challenges in the energy sector and advancing technological innovation.

Participants at workshop

INDUSTRIAL SYMPOSIUM OF SALIM HABIB UNIVERSITY

Tooba Khan, Advisor, IEEE EMBS and ComSoc SBC, Salim Habib University

The Industrial Symposium, organized by the IEEE Salim Habib University, Student Branch in collaboration with IEEE Young Professionals Karachi Chapter. This event aimed to bridge the gap between academia and industry, providing graduating students with valuable insights into career prospects and industry expectations.

Event Highlights

Keynote Presentations: Esteemed industry leaders delivered keynote presentations, sharing their expertise and experiences. Networking Session: A mock interview session was held with HR and senior representatives from 15 prominent healthcare companies and 21 industry professionals.

Knowledge Exchange: The symposium facilitated knowledge exchange between industry professionals and students, offering a platform for discussing the latest advancements and challenges in various fields.

This symposium was a testament to the commitment of IEEE Young Professionals and Salim Habib University to foster a supportive environment for emerging professionals, ensuring they are well-equipped to meet the demands of the industry.

Participants of Industry Day at Salim Habib University

FAMILY DAY 2024 BY WESTERN AUSTRALIA SECTION

Cesar Ortega-Sanchez, Chair, IEEE Western Australia Section

The Western Australia (WA) Section celebrated its traditional "Family Day" on 17 August 2024.

This year, the Section invited members and their families to visit the "To the Moon" exhibition at the WA Museum. It was a rainy day, and the Section treated participants to snacks and hot drinks at the Museum's cafeteria. The exhibition showcases memorabilia and activities related to NASA's missions to the moon. Children were particularly impressed with the 5m diameter, high-resolution model of the moon suspended from the ceiling.

With this activity, the WA Section shows its commitment to family values and the importance of history and technology for society.

Family day participants

TECH GIRLS – EMPOWER THE GIRLS THROUGH EMERGING TECHNOLOGIES EDUCATION

Gobinda Prasad Acharya, Chief Editor, IEEE Hyderabad Section Newsletter

TECH GIRLS – Empower the GIRLS through Emerging Technologies Education: A Week-long Journey of Inspiration and Innovation. From 12-22 August 2024, in a groundbreaking collaboration, eight esteemed colleges—CVR College of Engineering, Ravindra College of Engineering for Women, Vignan Institute of Technology and Science, G Narayanamma Institute of Technology & Science (for women), Chaitanya Bharathi Institute of Technology (Hyderabad), Vaagdevi Engineering College, Vardhaman College of Engineering, and Jayamukhi Institute of Technological Sciences—partnered with the WIE AG IEEE Hyderabad Section to organize the transformative "TECH GIRLS" program. This initiative aimed to empower and inspire young girls to explore and excel in the fields of science, technology, engineering, and mathematics (STEM) by introducing them to emerging technologies such as the Internet of Things (IoT). More than 500 students including 300 girls were benefitted from this event.Over the course of a week, the program was dedicated to providing fundamental knowledge and hands-on experience with IoT and other cutting-edge technologies. Volunteers from the collaborating institutions engaged with students using presentations and interactive sessions, enhancing their understanding of complex concepts through practical demonstrations with IoT kits. Eminent speakers, experts in their respective fields, delivered insightful lectures on IoT, cybersecurity, nanotechnology, and artificial intelligence.

IEEE Medal of Honor Prize is Increased to $2.0 Million: Register for the Live-stream Press Conference Announcement

IEEE is elevating the Medal of Honor to its rightful place as one of the world's most prestigious technology-focused prizes and awards. Effective in 2025, the IEEE Medal of Honor monetary prize will increase to $2 million to better demonstrate how these technology, engineering, and science innovators have changed our society globally. And for the first time, the 2025 laureate will be named at a dedicated press conference in New York City in February 2025 and will be livestreamed to allow everyone around the world to witness this significant announcement.

NOTE: Registrants will receive updates leading up to the event including exact date and time.

Learn more about the IEEE Medal of Honor