



The Institute of Electrical and Electronics Engineers, Inc.

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Secretariat

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IEEE NEW SOUTH WALES SECTION
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Editorial:

This is the thirtieth newsletter I've edited. This one is being edited with the very latest stable version of Libre Office – 24.8.1. 2. It's not much different from the last version, but it seems that the version numbering system has been changed. I'm running it under Windows 7 which is obsolete (if entirely functional) which may explain the boost in version number from 7 to 24.

This Circuit is more or less on time. For once the message from the chair was one of the earlier items to arrive.

The AGM invitation and the Unite notice were the last items to arrive, and we probably couldn't have finalised them earlier - our ABN is invalid at the moment and getting the AGM booked took a bit of improvisation.

Chair's Message for 2024

We are cruising towards the end of year 2024 on a fruitful succession of successful events. I would like to give an update on our contributions, our achievements and the key activities planned for rest of the year.

In addition to the numerous successful events so far in this year - focussed on distinguished lectures, invited talks, workshops, site visits, social and networking events, and conference hosting, you can expect some key events in upcoming weeks, such as technical talks, competitions, IEEE UNITE, AGM, awards night, and the new committee for 2025.

One of the key tasks on my list was to get our Student Branches fully functional and active, and to establish new student branches and student branch chapters. We have now re-activated student branches and got people to look after them. They have organized a variety of events and more are coming up. I am looking forward to seeing continuity in the leadership with succession plans. It is important to get new volunteers involved and get them trained in a range of activities.

The experience gained plays an important role in development and enhancement of their leadership and people skills. I am pleased to be able to say that establishment of new IEEE Student Branch at Melbourne Institute of Technology (MIT) Sydney is in its final stages, and it will be up and running very soon. We are also in the process of establishing new student branch chapters under various student branches. If you feel, as a student or a faculty member, that you can either take the lead or contribute to an existing or a new student branch or student branch chapter, please get in contact with your student branch counsellor or reach out to me. You can also meet me in person on November 8th at UNITE 2024.

In terms of providing international exposure and opportunities to our volunteers, this year NSW section made open calls for applications to attend IEEE ANZSCON (Australia and New Zealand Students and Young Professionals Congress) 2024 in New Zealand, IEEE Convene 2024 in Hawaii, and IEEE SYWL (Students, Young Professional, Women in Engineering, and Life Members Congress) 2024 in Japan. Section had provided sponsorship to attendees to represent NSW section. You can read about their valuable experiences in this edition of Circuit. Along with IEEE Victorian Section, the IEEE NSW section made a bid for the next IEEE SYWL, to be held in 2026. The good news is that the bid has been accepted and we will be having the next IEEE SYWL in Melbourne. We plan to support more attendees to take advantage of it's close proximity.

Leaders and volunteers from our various chapter have done remarkable work in organising many activities. I am pleased to tell you all that we have finally been able to reactivate our EMBS chapter. In fact, we had to re-apply and meet the criteria for registering a new chapter. I am very grateful for the efforts of 2024 IEEE NSW EMBS Chapter chair (Tejas Canchi) who took the lead and got it done. I would like to remind our chapter chairs to submit event reports to vtools. If a report has not been filed in vtools, the event is not counted, please do so to make sure it gets counted.

IEEE UNITE is back and is scheduled for Friday 8 November 2024 at Macquarie University, while our AGM is scheduled for Monday 26 November in CBD area. The IEEE Fellows dinner is still

being organised, but we expect to finalise the details very soon . Keep an eye on e-notices and section website for more information and details.

Chapter chairs, please arrange an AGM for your chapter and make sure that you have a committee for 2025. Also prepare a report to be presented at AGM on your chapter's activities and achievements.

Awards and recognition is an important aspect of our work, and due appreciation is important to keep volunteers excited and motivated. Information of our awards program is available on section website, feel free to nominate extraordinary volunteers you have come across to this program.

If you need any support or guidance, you can reach out to me or any of the committee members, IEEE New South Wales section current committee details are available on section's webpage:

<https://r10.ieee.org/nsw/committe/>

I conclude my message of last edition on 2024 Circuit with a big thank you to everyone who contributed and supported - directly or indirectly - me. the section, the student branches, the affinity groups and the chapters. Together we did very well, and we still can do better. Thank you for letting me lead the section!

Regards, Syed Muzahir Abbas - Chair, IEEE NSW Section

IEEE NSW UNITE 2024

Date: Friday, 8 November 2024

Timings: 2:30 – 8:30 PM

Venue: 44WR Macquarie University

Registration Link: <https://events.vtools.ieee.org/m/441959>

Institute of Electrical and Electronics Engineers IEEE New South Wales Section

Invitation

Annual General Body Meeting (AGM 2024)

Date: Monday 25, November 2024, **Time:** 6.00 PM to 9.00 PM

Agenda:

Welcome

Chairs Report

Treasurers Report

Chapter Presentations

Awards and Nominations

Elections/Nominations of Executive committee for 2025

Open House

All IEEE members of NSW section are invited to attend the AGM 2024.

Venue: Rydges Sydney Central, 28 Albion Street, Surry Hills NSW 2010

You can attend with Partner / Family member.

Prior registration is mandatory.

Registration Details

Registration Fees: AUD 20 per person

Parking at Hotel Rydges is available at a discounted price of AUD 15

Please register at this link before Sunday 17 November.

<https://forms.gle/mYerQZK5EfifpbDW9>

For further details, please contact:

Syed Abbas, Chair, IEEE NSW, syed.abbas@mq.edu.au

IEEE Milestones and Special Citations in History in Australia

Australia has two Milestones - Parkes (2019) and Tidbinbilla (2024) and a Special Citation – Mt Stromlo (2024) and an approved Milestone - Heavy Ion Accelerator Facility (ACT).

From IEEE website, these are the important facts about the IEEE Milestones program, which is run by the History Centre:-

1. IEEE established the Electrical Engineering Milestones program in 1983 to honour significant achievements in the history of electrical and electronics engineering.
2. It is a grass-roots, bottom-up program designed to increase organisational unit and member involvement in IEEE activities.
3. It honours the achievement, rather than the person or place.
4. The achievement must be more than 25 years old.
5. The Milestones program is one of the more visible ways IEEE educates the general public about the importance of its members' achievements.
6. Milestone proposals are reviewed with the same rigour as a paper in an IEEE transactions or journal.
7. Milestone proposals gather historical information about the achievement, and the text entered in the proposal becomes the basis of a permanent subject web page residing on the Engineering and Technology History Wiki (ETHW).

Engineering and Technology History Wiki: A wiki-based platform that allows IEEE members and organisational units to collaboratively preserve and share their history. The Engineering and Technology History Wiki (ETHW) hosts the Milestones, Oral Histories, and Archives programs and also allows IEEE members to contribute to Wikipedia-style topic articles or to preserve their own firsthand histories.

In addition to the Milestones Program, IEEE also has a ‘[Special Citations in History](#)’ program which allows recognition of important places, museums, archives, preservation activities, or other aspects of the heritage of electrical and computing engineering which does not fit the criteria of milestones.

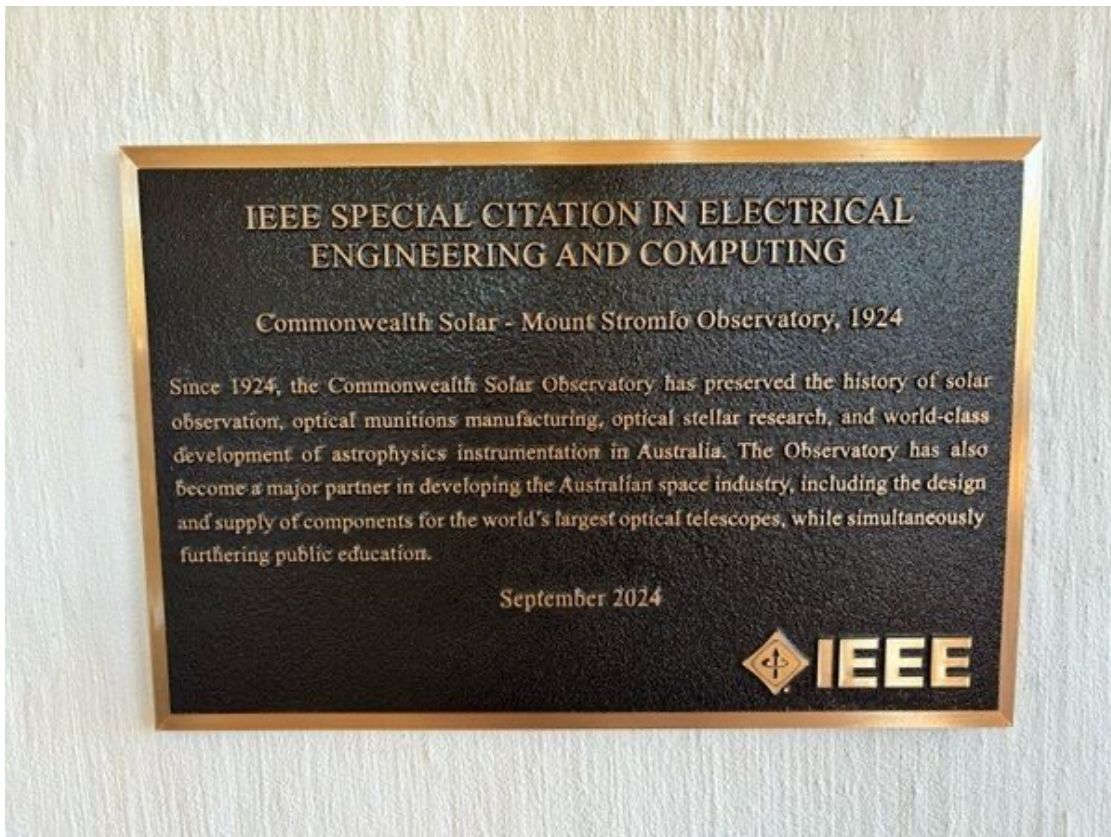
The first Australian Milestone was the [Parkes Radio Telescope](#) unveiled on 11 October 2019, celebrating the 50th Anniversary of its participation in the moon landing.

We wrote this up in Circuit a couple of years ago.

The Mount Stromlo Milestone.

On Monday 2 September, at short notice, members of the NSW Section met Thomas Coughlin, President, IEEE and Professor Takako Hashimoto, Region 10 Director-Elect, at Sydney airport on their arrival from SYWL conference in Japan and took them to Canberra as their Virgin flight had been cancelled due to very windy conditions on the Australian east coast.

On Tuesday 3 September, a Special Citation plaque was unveiled commemorating the 100th anniversary of the [Commonwealth Solar Observatory - Mount Stromlo](#) with distinguished guests, Tom Coughlin and Professor [Takako Hashimoto](#). Thanks also to Brad Tucker and Professor Rebekah Brown for their support from ANU.



One of the more unusual aspects of the Mt Stromlo Observatory is that it is a fully integrated workplace. While the main purpose of work on site is astronomy, all the supporting infrastructure is on site to support the research, development, design and manufacture of all the necessary instrumentation, optics and electronics.

This reflects the fact that Canberra was pretty remote and rural back in 1924 - most observatories have an industrial city handy where these kind of jobs can be handled locally.



R to L: Prof Stuart Wyithe, Director Research School of Astronomy and Astrophysics, ANU; Prof Celine d'Orgeville, Director Advanced Instrumentation & Technology Centre, ANU; Dr Tom Coughlin, 2024 IEEE President; Prof Rebekah Brown, Provost and Senior Vice-President, ANU; Prof Takako Hashimoto, 2024 R10 Director Elect; Mr Ambarish Natu, Immediate Past Chair, ACT Section

Lobbying began around 1905, but only after World War 1 was the campaign to create a national observatory taken up with any enthusiasm. Astronomer Walter Geoffrey Duffield was the main driving force in efforts to fill the latitude gap between the USA and India that would allow the Sun to be kept under constant observation. The Commonwealth Government gave final approval in 1923, and Duffield was appointed as the foundation Director of the new Commonwealth Solar Observatory in January 1924.

There is a third Milestone approved. The unveiling is to be announced.

It is the Heavy Ion Accelerator Facility at ANU.

The Heavy Ion Accelerator Facility (HIAF) comprises the 14UD pelletron accelerator and a superconducting 'booster' linear accelerator. The Facility is housed and operated by the Department of Nuclear Physics in the Research School of Physics at The Australian National University. The HIAF supports Australia's only experimental nuclear physics program, a major accelerator mass spectrometry program and facilities for ion-beam modification and analysis of materials.

There are many achievements in Australia that could become IEEE Milestones.

If you have been involved in one of these achievements or know of a person that has been involved, please let me know. Also if you are prepared to do the research in preparing an application, I would love to hear from you.

Colin Elston
 Vice Chair, NSW Section
 talbingo@optusnet.com.au

IEEE Student Branch of Western Sydney University (WSU)

IEEE Student Branch at Western Sydney University recently hosted two successful events aimed at fostering student engagement and promoting engineering research.

The first event, **Technology Brief Project Presentations**, took place during the Autumn semester. Students from the M.Eng Personal Communication Systems course presented their group project work on the topic of "**Health Effects of EMFs.**" The research focused on various frequency bands, including powerline, microwave & millimeter wave, and Terahertz frequencies. Presentations were delivered to a diverse audience of IEEE and non-IEEE members, creating an opportunity for students to share their findings and foster discussions on the topic.'

The second event - **WSU Open Day 2024** - provided an interactive space for prospective engineering students. The event featured demonstrations, hands-on activities, and free promotional materials, including brochures, pens, and luggage tags, promoting the IEEE WSU Student Branch. This event showcased the diverse opportunities available within the IEEE community at Western Sydney University.



Photos of IEEE activities organised by the WSU student branch.

Amir Zahedi (amir.zahedi@ieee.org) Chair, IEEE WSU Student Branch

A fresh start for the EMBS NSW Chapter

Tejas Canchi, Chair, EMBS NSW Chapter

September 2024 saw the restart of the EMBS NSW Chapter. The chapter has been reinstated with a new vigour and with plans for the upcoming year. This year, even while the petition to reinstate was in the works, a technical talk had already taken place, about the latest developments in MRI Scanner technology from Dr Jerome Maller from Monash University, in August.

Another tech talk was hosted by the chapter on the 17th October, in which Dr Suvash Saha from UTS, Sydney, spoke about his research on the inhalation of microplastics and their effect on our lungs.

A new committee for 2024-25 has also been set up.

The committee members are as follows.

Chair: Dr Tejas Canchi

Past Chair: Dr Stefan Mozar

Secretary: Dr Yogambha Ramaswamy

Treasurer: Tim Croft

Women in Engineering Rep: Dr Nadi Sadr

Student Representative: Frank Fei

Young Professionals Rep: Tobias Cibis

There is also a renewed push to start/restart the EMBS Student Chapters at the University of Sydney, UTS and UNSW. The University of Sydney team is already moving this forward and has petitioned the IEEE, naming Dr Sandhya Clement from Sydney University as the faculty advisor for the EMBS student branch chapter. The chapter will be participating at UNITE with a panel discussion.

The new year will see the chapter getting involved in being a technical sponsor for a Sydney University research symposium, as well as starting an industry-student mentoring program. We are working on a lot more activities! Watch this space!

IEEE R10 SYWL Congress 2024

National Olympics Memorial Youth Center, Tokyo, from August 29th to September 1st, 2024.
by Sandra George - Student Volunteer.

A Review of the IEEE R10 SYWL Congress 2024

Students, young professionals, women in engineering, and life members from the Asia-Pacific area came together for the IEEE R10 SYWL Congress 2024 in order to promote networking and collaborative leadership. In line with IEEE's strategic objectives, the event focused on bridging gender, cultural, and geographic divides to foster an open and inclusive atmosphere.

Key sessions included the IEEE R10 YP Career Leadership Aid Program on August 29th, which offered valuable insights into career development for young professionals, and the final stage of the R10 Robotics Competition on August 30th, showcasing cutting-edge innovation and teamwork. On August 31, the Tokyo Section Industry Engagement Workshop also provided participants an excellent opportunity to network with business executives and consider possible future pathways.

In addition, the Congress included a number of expert sessions that disseminated information on career development tools, technical advances, leadership techniques, and IEEE resources.

The Tokyo Convention and Visitors Bureau also offered a Complimentary Hospitality Program for overseas participants, providing various tours around Tokyo on September 1st. These included a visit to Tokyo Skytree and Asakusa, a Tokyo River Cruise and a visit to Hamarikyū Gardens, as well as a Meiji Shrine & Harajuku Walking Tour, exposing the participants to the culture and attractions of the city.

A key takeaway from the Congress was the significance of developing a style of leadership that crosses a variety of boundaries, allowing IEEE members to form stronger professional ties with people from varied backgrounds. The event also allowed for meaningful networking, which may result in eventual collaborations across IEEE's diverse community.

Event Sessions and Activities Overview

Japanese Tea Ceremony Experience

The Japanese tea ceremony, was one of the cultural highlights offered during the IEEE R10 SYWL Congress 2024. This centuries-old tradition involves the precise and ceremonial preparation of green tea in a traditional tearoom with tatami flooring. The experience goes beyond the act of serving and drinking tea, emphasising mindfulness, simplicity, and the warm hospitality extended by the host.

The ceremony provides a moment of calm, allowing participants to step away from the pace of everyday life and appreciate the sense of harmony, respect, and balance that the ritual fosters.



Editors note : The bulk of the report contained a lot more sections like this and they have been deleted.



Reflection on Experience & Learning:

The IEEE R10 SYWL Congress 2024 provided an invaluable opportunity for personal and professional growth, particularly for a data engineering student. Engaging with diverse participants and experts provided a rich environment for knowledge exchange and collaboration. The various sessions, ranging from leadership development to innovative technologies, highlighted the importance of adaptability and lifelong learning in today's rapidly evolving landscape.

Discussions on AI tools, data analytics, and emerging technologies underscored their significance in shaping the future of research and industry. Understanding the ethical implications of these advances and learning about best practices for implementing data-driven solutions will be helpful in navigating the complexities of a data engineering career. The emphasis on networking also reinforced the importance of building strong professional relationships that can support future endeavors.

Editors note: The cliché formulation of this is "It isn't what you know, but who you know" - which is true, if only up to a point. A lot of what you know, you learn from other people.

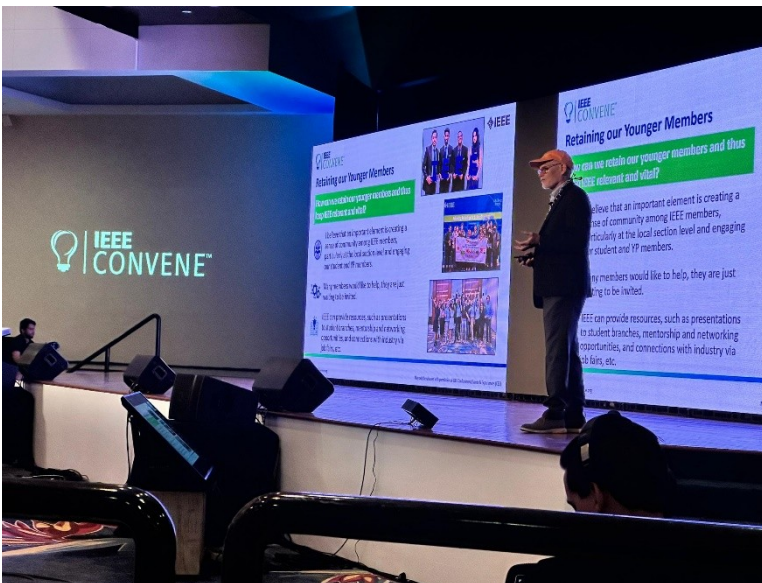
IEEE Convene 2024:

Designing for Success, Storytelling, and Engaging for the Future

The IEEE Convene 2024, held at the Hilton Waikoloa Village in Hawai'i on August 1-2, 2024, was a remarkable gathering of over 250 leaders from the IEEE community. The event featured two full days of collaborative learning and strategic discussions, offering a deep dive into event design, engagement, and the future of IEEE conferences. Under the overarching theme of *Designing for Success: Storytelling, Engagement, and the Challenges We Face*, the event served as a platform for discovering new methods to drive the success of IEEE events while fostering a sense of community.

Day 1: Designing for Success—Storytelling, Engagement, and the Challenges We Face

The first day of the conference revolved around the core theme of *Designing for Success*, with storytelling and engagement at the forefront. The program included insightful discussions on engaging Young Professionals, elevating the impact of IEEE events, and addressing the challenges the IEEE events community faces today.



Keynote speech by Tom Coughlin 2024 President & CEO IEEE

IEEE President and CEO Tom Coughlin's keynote speech introduced strategic goals to ensure the organization's sustainability and relevance in the future. These goals included empowering sections, elevating membership value, increasing industry relevance, venturing into new fields, and enhancing revenue sources. He also addressed the challenge of retaining younger members, highlighting the fact that YP retention rates are currently under 60%. He stressed the importance of creating a community among YPs through local section engagement and mentorship programs. He emphasized how IEEE conferences can engage

Millennial and Gen Z professionals by offering events that match their expectations - such as hackathons and mentorship programs - opening doors to continued engagement.

One of the standout sessions was Engaging Young Professionals (YPs) with IEEE, which emphasized how events could be powerful tools for attracting and retaining younger members.

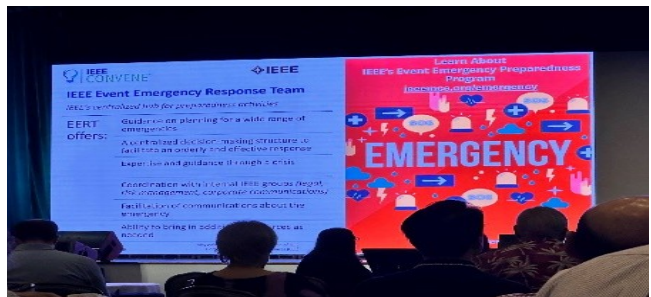
Deepak Mathur, IEEE VP of MGA, discussed ways to engage members through events on a panel discussion on **Strategies for Lasting Member Engagement through Conferences**. He shared how events help members get involved in their Sections or Societies and how they stay engaged with IEEE at all phases of their career.



"Understanding the Risks Facing the IEEE Events Community" was another interesting and important panel discussion session.

The panel, led by Rich Jannuzzi, Sr. Director of Business Operations & Intelligence at IEEE CEE, discussed the increasing risks associated with AI, cybersecurity, and data privacy in conferences. Attendees learned about the need for strict adherence to IEEE-approved tools to avoid issues such as copyright infringement and intellectual property violations.

IEEE Event Emergency Response Team talked about the guidelines on planning for a wide range of emergencies. They recommended a centralized decision-making structure to facilitate an orderly and effective response.



Insight Labs and Interactive Engagement

Participants had the opportunity to join **Interactive Insight Labs**, which offered deeper engagement on topics such as data risks, cybersecurity in events, and IEEE's branding services. These small-group sessions were particularly valuable for sharing experiences and learning from peers on how to navigate the complexities of modern event management.

Additionally, **Canada Matchmaking** and the **Meet the Contributors Scavenger Hunt** provided attendees with fun and engaging ways to network and connect with IEEE event organizers, vendors, and contributors. The event app played a significant role in facilitating this engagement, encouraging participants to explore future conference destinations and take part in contributor challenges.

Day 2: Event Design Workshop—Hands-On Learning and Collaboration



My group from the hands on workshop

The second day, under the theme *Event Design Workshop*, was a highly interactive and collaborative experience. Participants worked in groups to design mock events, applying the lessons from Day 1 to develop actionable strategies for organizing successful IEEE conferences. Led by Ruud Janssen from the Event Design Collective, the workshop used the Event Design Canvas to help attendees map out participant journeys, addressing stakeholder expectations, experiences, and desired takeaways.

The workshop was not only a hands-on learning opportunity but also a way to bring together the knowledge shared during the previous day. The teams' efforts resulted in innovative concepts that could be implemented in future IEEE events, particularly in fields such as sustainability and CleanTech.

One major takeaway from the workshop was the importance of stakeholder engagement. Whether it's the organizing committee, exhibitors, or volunteers, understanding the diverse value propositions for each group is essential to designing impactful events.

Cultural Exchange and Giving Back to Hawai'i

A significant aspect of IEEE Convene 2024 was honoring the traditions and spirit of Hawai'i. The event opened with an Aloha Oli chant, and throughout the conference, attendees were treated to cultural performances, including Tahitian Otea and Hula dances. These experiences enriched the event by fostering a deeper connection to the host city.



Furthermore, the conference introduced a micro-giving model in support of the local Hawaiian community. Given the devastating fires in Maui one year prior, IEEE Convene participants were encouraged to donate to two local nonprofits, the Lahaina Restoration Foundation and Kāpili Maui. This initiative not only supported local recovery efforts but also aligned with IEEE's broader mission of giving back to the communities that host its events.

Networking, Socializing, and Exploring New Ideas



Jamie, Arslan, Naila and Rahul at Business Events Sydney stall

Beyond the formal sessions, the conference offered numerous opportunities for networking and socializing. Day one concluded with the **Good Libations** event, where participants enjoyed light bites and drinks while connecting with peers in a relaxed environment. This was followed by the **Welcome Reception** at the Lagoon Lanai, which showcased Hawaiian food and entertainment.

Participants also had the opportunity to meet with representatives from 29 different hoteliers and event destinations during the matchmaking sessions, further enhancing their understanding of how to find the perfect venue for future IEEE conferences. These sessions not only provided valuable insights into location scouting but also helped build partnerships that can add value to future events. We also got an opportunity to meet with Jamie and Rahul who were representing Business Events Sydney at the event. Thanks to Abbas and Jessica who introduced us around. We had productive discussions about promoting Sydney as a conference destination with other IEEE peers from around the globe.

iCON Recognition and Celebrating Excellence

One of the highlights of IEEE Convene 2024 was the **iCON Recognition** presented to the IEEE International Conference on Quantum Computing and Engineering 2023 (QCE23), held in Bellevue, Washington. The iCON recognition celebrates an event that demonstrates excellence in innovation, community-building, and content curation. QCE23 stood out for its exceptional engagement with the quantum computing community and its ability to foster collaboration among professionals, researchers, and entrepreneurs.

IEEE ANZSCON 2024: Students and Young Professionals Congress

Greetings from New Zealand (Tena koutou),
Greetings from the beautiful city of Auckland, New Zealand! Known for its stunning harbours and vibrant cultural scene, Auckland is a bustling metropolis that perfectly blends urban sophistication with breathtaking natural landscapes.



Introduction

The purpose of this report is to share my experience attending the IEEE ANZSCON 2024: Students and Young Professionals Congress, held in Auckland, New Zealand from July 6 to July 7, 2024. This congress provided a valuable opportunity to engage with peers, industry leaders, and academics, and to explore the latest trends in science and technology.

About the Congress

IEEE New Zealand North Section welcomes IEEE members and non-members worldwide, who are interested in the activities of IEEE Young Professionals (YP) affinity groups, Women in Engineering (WIE) affinity groups, and IEEE Student Activities.

ANZSCON, the Australia New Zealand Student and Young Professionals Congress, is a unique event that brings together leadership from ten sections across Australia and New Zealand, as well as their National Councils.

ANZSCON has been a significant event since 2010, held biennially, and hosted alternately by universities in Australia and New Zealand. The congress provides a platform for young engineering students and professionals to discuss current and future engineering challenges, develop new skills, and share technical, social, and professional experiences.



Theme of the Congress

The theme of this year's ANZSCON was "Leading Your Future", aimed at helping attendees to develop leadership skills to shape their futures. A highlight of the event was the Pecha-Kucha Presentation Competition, encouraging participants to enhance their leadership, problem-solving, and communication skills. The congress also served as an opportunity for students and IEEE members from across Australia and New Zealand to deepen their understanding of IEEE and explore its potential to support their future goals. This year's event was hosted at Auckland University of Technology (AUT).





Pre-Congress Workshop

The IEEE New Zealand Council and IEEE New Zealand North Section organised a workshop celebrating the 75th Anniversary of the IEEE Circuits and Systems Society (CASS). This event, part of the pre-congress activities, featured presentations from renowned IEEE CASS leaders:

Professor Myung Hoon Sunwoo, IEEE CASS President, South Korea

Professor Kea-Tiong (Samuel) Tang, IEEE CASS

Vice-President of Regional Membership Activities, Taiwan

Professor Tek Tjing Lie, IEEE New Zealand Section Vice-Chair, New Zealand

Professor Hanho Lee, IEEE CASS Vice President of Technical Activities, South Korea

Professor Yongfu Li, IEEE CASS R10 BoG, DataPort, China

Activities

Activity 1: Pathway To The Future (Panel Discussion)

This panel focused on the intersection between academia and industry, featuring:

Isha Patel, UoC Motorsport Team Principal

Felix Marattukalam, Lead AI Research Consultant at Watchful

Shaila Arif, Ph.D. Candidate at UoA

Loreen A. Ozolins, IEEE Senior Member



Activity 2: IEEE Overview Structure Organisation and Resourcing

Presented by Professor Saurabh Sinha, University of Canterbury Dean of Engineering, this session provided an overview of IEEE's structure, organization, and resources.

Activity 3: IEEE CASS Presentation

This session highlighted the advancements in circuits and systems theory, analysis, design, tools, and implementation. It emphasised the role of IEEE in promoting the advancement of these areas and offered students the opportunity to establish a CASS branch in New Zealand.



Activity 4: ANZSCON Pecha Kucha Competition 2024



Pecha Kucha, meaning "chit-chat" in Japanese, involves presenting 20 slides, each for 20 seconds, totalling 6 minutes and 40 seconds. This competition allowed engineering students to present their research, projects, or business ideas to industry experts, faculty, IEEE professionals, and fellow students.

Activity 5: Networking

The congress provided numerous networking opportunities with various IEEE student branches:

University of Auckland IEEE Student Branch: Focuses on helping students connect with industry through job skills workshops, mentoring programs, and practice interviews.

Auckland University of Technology IEEE Student Branch: Led by Dr. Ramon Zamora, this branch engages in events, seminars, workshops, and conferences to prepare students for research and industry.

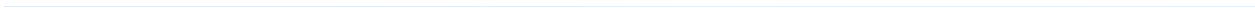
University of Canterbury IEEE Student Branch: With over 200 members, this branch hosts industry-focused events, mock interviews, CV and interview skill nights, and a mentorship program.



Reflection

Attending IEEE ANZSCON 2024 was an enriching experience, providing valuable insights into the latest trends in engineering, opportunities for skill development, and extensive networking with professionals and peers. The congress successfully fostered a collaborative environment, encouraging young engineers to look forward to their future with confidence and innovation.

Attending IEEE ANZSCON 2024 significantly contributed to promoting the IEEE New South Wales (NSW) Section by showcasing our active participation and commitment to the IEEE community. The congress facilitates building robust relationships with other IEEE sections and student branches, enhancing collaboration in voluntary activities. Engaging with peers from New Zealand and other Australian sections fosters a spirit of cooperation and mutual support, which is vital for organising joint initiatives, workshops, and community outreach programs. This cross-sectional interaction not only strengthens our network but also provides a platform to share best practices, exploit diverse expertise, and work collectively towards common goals. Such collaborations are instrumental in advancing the mission of IEEE and maximising the impact of our voluntary efforts across the region.



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**FOR IEEE NSW
CHAPTER MEMBERS**

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IEEEENSW2022**

New and Upgraded Members.

For the period from the period 26th May 2024 to the 25th May 2024.

Life Fellows

We have no new life fellows.

Life Senior Members

We have one new life senior member.

Professor Darmawan Sutanto

Life Members

We have no new life members.

Senior Members

We have eleven new senior members.

| | | | | | |
|---|-------------|--|--|----|---|
| Rafiqul Mohammad Yiran Yogeshwar Mahendra Samuel | Gunathilaka | Islam Khaleqi Qaleh Jooq Ma Ranga Samarawickrama Tensingh | Rasool Liguo Andrew Safdar Kidnapillai | S. | Keshavarz Luo Mowbray Rasool Selvarajah |
|---|-------------|--|--|----|---|

Members

We have lots of new members - 256 of them.

| | | | | | |
|--|-----------------|--|---|--|---|
| Maysam Vijina Amani Fariha Asma Suhair Chris Samrah Ogwu Sivakumar John Tabitha Edward Adam | Joseph Renee | Abbasi Abhijith Abusafia Afsana Alkhalaf Alotaibi Amos Arif Audu Balasubramanian Barassi Bilaniwskyj-Zarins Bray Bryant | Yasmin Alsharif Gbenga Muhammad Mwaheb Hada Gautam Thirasara Hira Wei Gnana Laurence Andrew Manh | Nigar Olabode Mubashir Devanmini K Antony Matthew Duc | Abdul Rasheed Abuadbba Adeyeye Alam Almadani Alsobhi Anand Ariyathna Baig Bao Bharathy Boss Brodie Bui |
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|--------------|-----------|--------------|-----------|-------------|--------------|
| Harrison | | Burns | Broughton | James | Caley |
| Immanuel | | Capili | Alexandre | | Cardillac |
| Toby | | Carrodus | Jiazheng | | Chen |
| Chia-Wei | | Cheng | Wenlong | | Cheng |
| Phacharaphon | | Chosoongnone | Nam | Hoai | Chu |
| Jacinta | Dawn | Cleary | Sandhya | | Clement |
| Blaine | | Costello | William | Christopher | Croese |
| Tianhao | | Deng | Jing | | Du |
| Warunika | Sithumini | Ekanayake | Francisco | Eduardo | Enriquez |
| Lei | | Fan | Yeman | | Fan |
| Zixuan | | Fang | Madiha | | Farasat |
| Majid | | Farhangi | Licheng | | Feng |
| Yixiao | | Feng | Zheng | | Feng |
| Saman | | Forouzandeh | Yunhao | | Fu |
| Sushan | | G C | Omar | | Gad |
| Phanindra | Kumar | Ganivada | Jingying | | Gao |
| Minghao | | Gao | Samuel | Charles | Garske |
| Asif | | Gill | Amus | Chee Yuen | Goay |
| Thomas | Patrick | Gollan | James | Lyndon | Gray |
| Jinjin | | Gu | Jayath | Pujitha | Gunawardena |
| Rachid | | Hamadi | David | Hason | Rudd |
| Gerrit | | Hattingh | Jiayu | | He |
| Yi | | He | Tharindu | | Herath |
| Md. | Azizul | Hoque | Md. | Biplob | Hossain |
| Yousef | | Hosseini | Mehdi | | Hosseinzadeh |
| Shaokang | | Hu | Yan | | Hu |
| Joyce | | Huggins | Sam | | Hughes |
| Ali | | Husnain | Muzaffar | | Hussain |
| Maira | | Islam | Jamil | | Ispahany |
| Yanna | | Jiang | Yue | | Jiang |
| Shuang | | Jiao | Chris | | Johnathon |
| Rhea | | Johnson | Marcel | | Julliard |
| Md. | Sarwar | Kamal | Robert | | Karimagako |
| Santosh | | Karki | Ishan | Kavinda | Karunanayake |
| Grace | | Kennedy | Kshitiz | | Kharal |
| Sukanth | Kumar | Korkanti | Abhishek | | Kumar |
| Ajit | | Kumar | Navin | | Kumar |
| Keng-Yin | | Lai | Tin | | Lai |
| Nicholas | | Lambropoulos | Rui | | Lang |
| Nathan | | Langford | Hong | Quan | Le |
| Van-Hoang | | Le | Troy | Jeffrey | Lee |
| Christopher | | Levantis | Jack | | Lewis |
| Changhao | | Li | Jian | | Li |
| Jun | | Li | Shaoang | | Li |
| Wanrong | | Li | Jionghui | | Lin |
| Boxuan | | Liu | Jia | | Liu |
| Xiaoning | | Liu | Yueyue | | Liu |
| Fariba | | Lotfi | Xin | | Lu |
| Yifu | | Luo | Baihe | | Ma |
| Guangzhi | | Ma | Haoshuang | | Ma |

| | | | | | |
|------------------------|---------------------|---------------------|----------------|---------------------------------------|--------------|
| Keyi | | Ma | Lloyd | | Ma |
| Rob | | Mailler | Anand | | Mandal |
| Cameron | | McGowan | Paul | J | McMahon |
| Louis | | Melanie | Debin | | Meng |
| Ghulam | | Mohy-ud-din | Alan | T | Murray |
| Sai | | Nair | Zheng | | Nan |
| Umair | | Naseem | Duy | Huynh Anh | Nguyen |
| Khanh | Van | Nguyen | Thien | Hoang | Nguyen |
| Zhitong | | Ni | Nanduni | Indeewaree | Nimalsiri |
| Sonia | Farhana | Nimmy | Stephen | Michael | Noon |
| Asuquo | Alexander | Okon | Omed | | Omar |
| Geoff | | Owrid | Mark | | Pagura |
| Nagendra | Reddy | Palugula | Deepti | | Panicker |
| Zorba | | Parer | | (this space intentionally left blank) | |
| Kariyakarawana | Patabendige | Supun Prabath | Perera | (this space intentionally left blank) | |
| Daniel Alejandro | Perez | Banuelos | Pablo | Martin | Poblete |
| Zhi | Yuan | Qi | James | | Qin |
| Qiang | | Qu | Hamzeh | | Qutaish |
| Fazla | | Rabby | Yogambha | | Ramaswamy |
| Muhammad | | Rana | | (this space intentionally left blank) | |
| Imanka | Lakshan Jayathilaka | Ranmanna dewayalage | (this one too) | | |
| Jack | | Renshaw | Arjun | | Rijal |
| Gareth | | Roberts | Xinhui | | Rong |
| Jiufeng | | Ruan | Nadi | | Sadr |
| Nazmus | | Sakib | Nishan | Srinath | Samarasinghe |
| Rui | | Sang | Zhenxiong | | Sang |
| Mehrzad | | Saraz | Adam | | Scicluna |
| Lachlan | | Scott | Konstantin | M | Seiler |
| Mostafa | Ali | Shahin | Aryan | | Sharma |
| Hamish | Peter | Shaw | Dai | | Shi |
| Neeta | | Shrestha | Sanjeeb | | Shrestha |
| Valentin | | Siderskiy | Simple | | Simon |
| Jagdeep | | Singh | Edward | | Smith |
| Peter | Digby | Smith | Rukshani | Nilakshika | Somarathna |
| James | Lyle | Spedding | Edward | | Su |
| Fouad | | Sukkar | Yaroslav | | Syasegov |
| Mehedi | | Tajrian | Venkata | Sai Kuthsav | Thattai |
| Norman | | Thien | Zhiyi | | Tian |
| Alex | | To | Faranak | | Tohidi |
| Bharadwaja Satya Vinod | | Tondapu | Tram | Thi Minh | Tran |
| Tu | | Tu | Steven | James | Tuften |
| Udaya | K | Tupakula | S M Muslem | Muslem | Uddin |
| Harsh | | Vazirani | Satish | Chandra | Verma |
| Harpreet Singh | | Virk | Jennifer | | Wakulicz |
| Haoming | | Wang | Honghui | | Wang |
| Wei qi | | Wang | Yilun | | Wang |
| Yunfan | | Wang | Jingwen | | Wei |
| Jiaqi | | Wen | Xin | | Wen |
| Jye | | West | Henry | | Wheeler |
| Brian | | Williams | Shiun | Yee | Wong |

| | | | | |
|----------|-----------|------------------|-----------|-------|
| Haolong | | Xiang | Ruipeng | Xu |
| Domingos | Mitsuhide | Yamaguti Mondego | Jun | Yan |
| Yiming | | Yan | Jie | Yang |
| Lehan | | Yang | Nan | Yang |
| Yuxin | | Yang | Qingyu | Ye |
| Feiran | | You | Lijia | Yu |
| Sam | | Yu | Yongsheng | Yu |
| Quan | | Yuan | Munazza | Zaib |
| Pouriya | | Zarbfian | Yuchen | Zeng |
| Chenhan | | Zhang | Chenxi | Zhang |
| Naixin | | Zhang | Tianze | Zhang |
| Tieling | | Zhang | Wenhan | Zhang |
| Xuanmeng | | Zhang | Yijia | Zhang |
| Haimei | | Zhao | Yun | Zhao |
| Boyuan | | Zheng | Shuai | Zhou |
| Zhenting | | Zhu | Kayla | Zou |

New Graduate Student Members

We have 232 new graduate student members. The two Jiafeng Lins do have different membership numbers. And Sakura Jayasundera Mukhopadhyay is Subhas Mukhopadhyay's daughter - I've run into her at least one NSW IEEE event.

| | | | | |
|--------------|-------------|-------------|-----------|---------------------|
| Monir | | Abughalwa | Dayrak | Ahmadipour |
| Sajid | Rakih | Ahmed | Yangyulin | Ai |
| Sharmin | | Akter | Abdallah | Mohammad |
| Zahraossadat | | Alavi | Ahmed | Al Tawara |
| Abdulrahman | A | Alharbi | Ahmed | Alhaidari |
| Tanveer | | Ali | Md. | Ali |
| Najlaa | Saad | Alshatri | Mahasen | Akramul |
| Thushar | Thymagondlu | Anjanappa | Savi' | Alim |
| Sujan | | Aryal | Ahmed | Alsolmy |
| Oluwafisayo | Babatope | Ayoade | Seyedali | Apicella |
| Wenyuan | | Bai | Wuzhida | Asiri |
| Subhashish | | Barik | Tara | Bahrololoumi Mofrad |
| Nitin | | Bisht | Shuvra | Bao |
| Nruth | Savin | Bogahawatta | Erik | Bartlett |
| James | | Cayley | Mustafa | Prokash |
| Tsz | Pong | Chan | Rohnil | Biswas |
| Hong | Liang | Cheah | Luoyu | Buchholz |
| Shuheng | | Chen | Jing | Can |
| Yihang | | Cheng | Ming | Cetin |
| Nicholas | | D'Silva | Huxuan | Chand |
| Xinhang | | Dai | Quoc | Chen |
| Ensieh | | Dehghani | Ankit | Cheng |
| Anjali | | Dhiman | Cong | Xuan |
| Yi | | Ding | Huu | Dai |
| Darshit | Virjibhai | Dobariya | Rhys | Man |
| Meisam | | Esfandiari | Mohammad | Dang |
| Shujia | | Fan | Ali | Dhakai |
| | | | | Ding |
| | | | | Do |
| | | | | Edwards |
| | | | | Faisal |
| | | | | Farahmand |

| | | | | | |
|-------------------------|------------|---------------------|---------------------------------------|-------------|----------------------|
| Frank | | Fei | Tuo | | Feng |
| Ilia | | Filipev | Sophia | Catherine | Franklin |
| Osanda | | Galagoda | Neetha | Reddy | Ganta |
| Chen | Rui | Geach | Cinthia | Joy | Godly |
| Kangmin | | Gu | Md. | Ahasan | Habib |
| Mashaël | Ali | Haddas | Mohammed | Hafeth | Hakami |
| Xiaoteng | | Han | Yuanhao | | Han |
| Akm | Nadimul | Haque | Akramul | | Haque |
| Md. | Arif | Hassan | Victor | Hernandez | Moreno |
| Ayasha | Viduranga | Hetti Arachchilage | Mohammadreza | | Hojati |
| Md. | Arif | Hossain | Md. | Farhad | Hossain |
| Luetao | | H | Xingchen | | Hu |
| Wei | | Huang | Yuxuan | | Huang |
| Kynan | S | Hughes | Muhammad | | Irfan |
| Md. | Tariqul | Islam | Javad | | Jafaryahya |
| Nushrat | | Jahan | Karithika | | Jayan |
| Roshan | | Joshi | Mehmet | Sarp | Karayigit |
| Abdul | Basit | Khan | Wajid | Ali | Khan |
| Venkata | | Koya | Lecky | | Lao |
| Shun | Lok | Leung | Guanghao | | Li |
| Jin | | Li | Junye | | Li |
| Sixiao | | Li | Tianlin | | Li |
| Yumei | | Li | Zhengtong | | Li |
| Zhiwei | | Li | Dylan | | Liang |
| Qijun | | Liang | Zhenxi | | Liang |
| Alyssa Jinnel | Anonuevo | Libed | Jiafeng | | Lin |
| Jiafeng | | Lin | Songyang | | Liu |
| Tangyou | | Liu | Cheng-You | | Lu |
| Kezhi | | Lu | Qiuyun | | Luan |
| Zhen | | Luo | Mahzad | | Mahdavisarif |
| Rammohan | Rao | Makineni | Muhammad | Redho | Marizky |
| Hafiz | Muhammad | Mehdi | Hao | | Meng |
| Zhifei | | Mi | Aris | Suhada | Mian |
| Zhenxing | | Ming | Raghav | | Mishra |
| Asma | | Mistadi | Farid | | Moazzen |
| Mubeena Parveen | | Mohamed Salahuddeen | (this space intentionally left blank) | | |
| Hasan | | Mostafaei | Sakura | Jayasundera | Mukhopadhyay |
| Tenzin | | Namdak | Muhammad | | Nawaz |
| Hieu | Chi | Nguyen | Hieu | | Nguyen |
| Phuc | Cao Hong | Nguyen | Xinji | | Niu |
| Zijian | | Niu | Fredrick | | Nkado |
| Mohammad | | Okour | Divith Rajiv | | Palakkaparamb Vijaya |
| Vishnu | Nadan | Palaniswamy | Gaoyang | | Pang |
| Satya Sai Ravi Srinivas | | Panthina | Ranjita | | Parajuli |
| Shouthiri | | Partheepan | Dharti | | Patel |
| Charis | Revoansyah | Permady | Thomas | Anthony | Perrau |
| Ujjwal | | Poudel | Hamed | | Pourazad |
| Ravneel | | Prasad | Suleman | | Qamar |
| Xin | | Qi | Chen | | Qian |
| Xingyu | | Qin | Muneeb | Ahmad | Qureshi |

| | | | | | |
|----------------------|------------|------------|-------------------------|--------------|---------------------------------------|
| Hossein | | Rahimpour | Abdur | | Rahman |
| Md | Mujibur | Rahman | Dien | | Rahmawati |
| Hao | | Ren | | | (this space intentionally left blank) |
| Rusith Chathumina | Rupasinghe | Rupasinghe | Arachchige | | (this space intentionally left blank) |
| Milad | | Sabbagh | Hafiz Muhammad Omer Bin | | Saeed |
| Sadnan | | Sakib | Dilip | | Sapkota |
| Subrata | K. | Sarker | Alejandro | Javier | Schwoykoski |
| Asmaa | S R | Seyam | Amirhossein | | Shafaghat |
| Hamidreza | | Shafei | Baoling | | Shan |
| Abhishek | | Sharma | Bibhu | | Sharma |
| Tushar | | Sharma | Bejil | | Shrestha |
| Nirjana | | Shrestha | Rosik | | Shrestha |
| Tharmakulasingham | | Sirojan | Hourong | | Song |
| Paul | | Steinacker | Matthew | | Still |
| Edwin | Nishuran | Sujit | Mohamed | Khalid Ratib | Taha |
| Yiyang | | Tang | Rayane | Abdellatif | Tchantchane |
| Akbar | | Telikani | Kripalakshmi | | Thiagarajan |
| Awishka | Vidujanani | Thuduwage | Yumeng | | Tian |
| Yuzhe | | Tian | Milan | Mariya | Tomy |
| Zahir | | Toufie | Hieu | Vu | Tran |
| Nathan | Nhan Ai | Trinh | Hardik | | Trivedi |
| Tzu-yun | | Tseng | Nalith | Lakshan | Udugampola |
| Satyavani | | Varanasi | Huan | | Wang |
| Lingyu | | Wang | Weijie | | Wang |
| Wentao | | Wang | Wuchen | | Wang |
| Wuhao | | Wang | Yingyu | | Wang |
| Yueqi | | Wang | Kyle | John | Williams |
| Feng | | Wu | Peilun | | Wu |
| Yingsen | | Xiong | Tianyi | | Xu |
| Zhiqing | | Xu | Ming | | Yan |
| Mengchen | | Yang | Yi | | Yang |
| Zeya | | Yin | Banu | Wirawan | Yohanes |
| Liqian | | You | Dianer | | Yu |
| Mohammad Nasrat | | Zaqumi | Cheng | | Zhang |
| Hongjie | | Zhang | Jiawei | | Zhang |
| Tao | | Zhang | Tianyi | | Zhang |
| Xiaoqi of Technology | | Zhang | Xumou | | Zhang |
| Linhao | | Zhao | Tianren | | Zhao |
| Yi | | Zhao | Zhiquan | | Zhou |
| Feng | | Zhu | Xing | | Zi |
| Md. Afique Amin | | Zian | | | |

New Student Members

We have 45 new student members.

| | | | | | |
|-----------|--|--------------|----------|-------|-----------|
| Sangam | | Adhkari | Zaid | | Altukhi |
| Catherine | | Ashton | Evan | James | Buhagiar |
| Yan | | Chen | Benjamin | | Davis |
| Kedjil | | Dimaculangan | Maria | Putri | Elshaddai |

| | | | | | |
|-------------|-------------|----------------|-------------|-----------------|------------|
| Athena | | Forghani | Tarun | | Gangolli |
| Sandra | | George | Liping | | Gong |
| Oliver | Mathew | Gordon | Thomas | Alexander | Gosman |
| Jordan | | Huynh | Zoe | Olivia | Lamont |
| Daphne | | Lan | Haoran | | Li |
| Ruiqiang | | Li | Shouxing | | Ma |
| Arkansh | | Maheshwari | Armansyah | Putra | Marpaung |
| Celia | Ann-Michele | McMahon | Euan | Jacob | Mendoza |
| Hiroshi | | Mukhopadhyay | Malliyawadu | Sashini Nimesha | Nandiweera |
| Jeremy | Thomas | Parker | Joy Fate | Manansala | Peralta |
| Mark | | Pierotti | Iftekhher | Alam | Prohor |
| Mizanur | | Rahman | Marcus | James Riger | Bregovic |
| Kefengru | | Ru | Shah | Shuja | Shah |
| Sreevardhan | | Sirigiri | Siddarth | Sankeerth | Sirimilla |
| Peerapon | | Sukphanichakul | Joshua | | Tan |
| Myint | Zu | Thin | Caleb | Jason | Watts |
| Sili | | Wu | Xiangwen | | Yang |
| Xinyu | | Zhang | Baihan | | Zhou |
| Fedor | | Zinovev | | | |

New Affiliate Members

We have five of them.

| | | | | | |
|---------|-----|-------|--------|----------|------------|
| Kiran | | Kc | Sergio | Gregorio | Leon-Saval |
| Cherrie | Wen | Liang | Sachi | | Purcal |
| Jess | | Tam | | | |

New Associate Members

We have thirteen of them.

| | | | | | |
|----------|--|------------|---------------------|-----------------|--------|
| Suleiman | | Abahussein | Alen | | Basar |
| Arvin | | Bayat | Matthew | | Cook |
| Mike | | Davis | Joanne | Melanie | Flood |
| Kimley | | Foster | Qinlin | | Gu |
| Andrew | | Longmire | Ingiriya Arachchige | Thaminda Roshan | Perera |
| Luke | | Porter | Sam | | Qurusu |
| Robert | | Williams | | | |

Any student members who would like to be on the Student Branch Committees and any members, especially academic staff, who would like to be their mentors, please contact

Arslan Kiyani arslan.kiyani@mq.edu.au (student activities chair), bruce.poon@ieee.org (0414 662 766) or dushmantha.thalakotuna@uts.edu.au to register your interest.

There are a number of members who are qualified to be senior members. If you are interested to upgrading your membership, please do not hesitate to contact Bruce Poon at 0414 662 766.

"Membership" for Life members are free. However, you do need to renew it annually.

Renewal is simple and easy and can be done via the IEEE web site.

If you have not renewed your Life Membership, please log onto IEEE website to do it.

Submitted by Dr. Bruce Poon – e-mail bruce.poon@ieee.org



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