



The Institute of Electrical and Electronics Engineers, Inc.

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Secretariat

AUSTRALIAN PROFESSIONAL CENTRE PO Box 576 CROWS NEST NSW 1585 Tel: +61 2 94318600 IEEE NEW SOUTH WALES SECTION ARBN 078 576 495 ABN 34 078 576 495

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Editorial:

This is the twenty-nineth newsletter I've edited. This one is being edited with the very latest stable version of Libre Office -7.6.7.2.

After the March fuss about IEEE fellows I can mention that Professor Lyria Bennett Moses just got made a fellow of the Royal Society of NSW. She was active in the NSW section a few years ago before moving up to the Australia section. I got to learn about it because I happened to attend the RSNSW lecture where she was given her scroll.

On a similar note. I can mention that Kushbo Singh recently got promoted at UTS, which I learned about on Linked-In. She was a member of the team that got the Eureka award that we fussed about here last year. I'm not sure that her getting mentioned here anything to do with it.

This Circuit is late again. As usual, the message from the chair was the last item to arrive.

Chair's Message for July 2024

We have had a number of very successful events so for in 2024, and there are many more to come, so stay tuned!

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/

One of the important tasks on my list is to make all our Student Branches fully functional and active. We have made some progress in this. Student branch officers have taken up roles where required and have started planning for the year. Several events have already been hosted and we are looking forward to more in upcoming months. We have also managed to move our monthly section meeting around to different universities. We have been hosted at my University of Technology Sydney (UTS), University of Sydney, Western Sydney University, and Macquarie University. I am looking forward to having at least one in University of New South Wales (UNSW) and meeting an active team there. We have had a good collaborative event with our chapters and Affinity groups (YP and WIE). I would like to express my appreciation of this coordination and collaboration and I hope we can keep it up.

In the interest of providing international exposure and opportunities to our volunteers, the NSW section has 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. The section had provided sponsorship to attendees to represent NSW section. They will be sharing their valuable experiences soon.

I would also like to express my appreciation our active chapters for the good work they do hosting events and submitting event reports to vtools. I would like to remind our chapter chairs to plan and host enough events to meet the minimum number that avoid the risk of their chapters being closed down. If a report has not been filed in vtools, the event is not counted, please do so, to make sure it does get counted.

We are working to restore IEEE NSW Unite and the IEEE NSW Fellows dinner for our members, the dates will be passed on when they are finalised.

To conclude, I would like to draw your attention to our awards and recognition program. If you know any great volunteers, please nominate them for IEEE NSW section awards. You can find more information at:

https://r10.ieee.org/nsw/awards-recognition/

Regards, Syed Muzahir Abbas - Chair, IEEE NSW Section

STEM Outreach

The IEEE Educational Activities Board has established the "Global Classroom Visits" platform to connect school teachers and their students with engineers and facilitate STEM outreach activities, promoting engineering as a career amongst school students.

For example, a teacher may contact any IEEE member registered with the Global Classroom Visits platform to give an online talk about their experiences and career as an engineer to school students.

NSW Section members are encouraged to participate in this initiative as part of the Section's broader STEM outreach activities. To participate, please register and complete the online training (a couple of short videos) about interacting with school students and IEEE requirements for volunteers working with children. To start the registration process please go to

https://docs.google.com/forms/d/e/1FAIpQLSd6zppdIONlKyXw7GUPJYXDxPAbV5hBgo9GvPUFzB2uda0Ksg/viewform_Upcoming R10 Conferences

If you have any questions or are interested in supporting other local outreach activities, such as running TryEngineering workshops in local schools, please don't hesitate to contact the NSW Section STEM Outreach Coordinator.

For further information on NSW Section STEM outreach activities and contacts please see

https://r10.ieee.org/nsw/stem-education-support/

Graham Town NSW Section TISP (STEM Outreach) Coordinator 30/5/2024

Editor's note. This is worthy stuff - I got sucked in when Graeme Gwilliam was running it. How effective it is is anybody's guess, but it's got to be more effective than not doing anything.

IEEE NSW Section Outstanding Volunteer Awards 2024



IEEE NSW Section Presents



The IEEE NSW Section in 2018 ran the inaugural IEEE NSW Outstanding Volunteer Awards.

This year the Awards include;

- IEEE NSW Outstanding Volunteer
- IEEE NSW Outstanding Young Professional Volunteer
- IEEE NSW Outstanding Women In Engineering Volunteer
- IEEE NSW Outstanding Student Volunteer

More information as well as the Awards Policy and Nomination Form can be accessed at http://sites.ieee.org/nsw/awards-recognition/

Nominations will close on 30 September 2024.

Subhas Mukhopadhyay

IEEE NSW Section Awards and Recognition Chair

Email: subhas.mukhopadhyay@mq.edu.au

Nomination Form for one position in the IEEE NSW SECTION (For Executive and Appointed Officers)

Section Executive Officers(Chair/Vice Chair/Secretary/Treasurer) to be elected by electronic vote or at AGM(by the Members); Elected positions by Chapters and Affinity Groups (Chair/Vice Chair/Secretary/Treasurer); Non-elected positions (appointed Officers).

Closing date Monday 30 September 2024 midnight

NOTE: Chapter and Affinity Group Committee Executive positions are elected by the respective Chapter/Affinity Members.

For Section Position Descriptions see: https://site.ieee.org/nsw/section-position-descriptions/ Nomination Form Instructions:

Before completing the form, review the following guidelines for nominating a volunteer Candidate:

- (a) Nominators must contact their nominee before submitting the form and confirm their acceptance of the time and other commitments required for the position.
- **(b)** Nominees must have had at least 2 years on the Committee to nominate for the key positions of Chair, Vice Chair, Treasurer and Secretary.
- (c) Nominees for Section Executive positions should be Senior Member or higher
- (d) Self-nominations require the submission of additional information e.g. CV or SMIEEE referee
- (e) If you are nominating for more than one position, separate forms should be submitted.

(f) Please note the closing date, completed forms to be emailed to: Nominations Chair Mahmoud Elkhodr Email: elkhodr@gmail.com
cc: Antony Zaglas Email: antonyz@ieee.org
Nominee Contact Information Given Name(s):
Surname:
IEEE Email or other address
Phone No:
Address Line 1:
Address Line 2:
Address Line 3:
IEEE Member No(must be Active IEEE Member of the NSW Section):
POSITION SOUGHT:
CV attached Listing IEEE Positions held and Other(last 10 years): Yes/No
Nominator Contact Information Given Name(s):
Surname:
IEEE Email or other address
Phone No:
Address Line 1:
Address Line 2:
Address Line 3:
IEEE Member No:





2024 IEEE R10 SYWL Congress

2024 IEEE Region 10 Student-Young Professional-Women in Engineering-Life Member Congress (SYWLC)

is the biennial gathering of volunteer leaders from across the Region, to network, learn and collectively shape the future of IEEE.











IEEE R10 HUMANITARIAN TECHNOLOGY CONFERENCE 1st - 3rd OCT 2024

SUSTAINABLE TECHNOLOGIES SUPPORTING ENVIRONMENT, SOCIAL, AND GOVERNANCE (ESG)

An elite yearly conference spanning several disciplines, IEEE R10 HTC will bring together experts in technology, engineering, science, and finance as well as representatives from NGOs, governments, academia, and industries. The conference will encourage debates and research in the fields of electrical, communication, computing, security, and disaster relief in order to share findings from recent technological developments that can aid the poor and needy. Plenary sessions, keynote talks from renowned academics, tutorials and workshops led by subject-matter experts, presentations of research papers, events for women in engineering and, young professionals, a session on entrepreneurship, and innovation, industry exhibits and booths, and more will be featured.

> IEEE R10 HTC 2024, which is organized and hosted by IEEE Kuala Lumpur Subsection, will be held in Kuala Lumpur, 1st - 3rd October 2024. The theme of the conference, "Sustainable Technologies Supporting Environment, Social and Governance (ESG)" is to draw special attention to the societal expectation on humanitarian technologies' ability to provide practical and lasting solutions.

> > During and after the COVID-19 pandemic, we saw technologies previously precluded were suddenly embraced by majority of the people such as cashless transaction is utilized everywhere and many mobile apps mushrooming providing a variety of services. The impact of these technologies to the environment, social, and governance are tremendous. Thus, this conference will present studies on the sustainable technologies that are able to balance the need for environment, social, and

> > > All the accepted and presented papers will be eligible for submission to IEEE HQ for publication in the form of e-proceedings in IEEE Xplore, which is indexed to the world's leading Abstracting & Indexing (A&I) databases, including ISI / SCOPUS/ DBLP/ EI-Compendex / Google Scholar.

Important Dates:

Full Paper Submission Deadline	:	1st May 2024
Tutorial/Workshop/Special Session Proposal Submission Deadline	:	1st April 2024
Notification of Tutorial/Workshop/Special Session Proposal Acceptance	:	15th April 202
Workshop/Special Session Paper Submission Deadline	:	1st May 2024
Notification of Acceptance	:	3rd July 2024
Camera Ready Submission Deadline	:	7th August 2024
Early Bird Registration Deadline	:	20th July 2024

Topics covered but not limited to

- Industry 4.0
- Agriculture
- Technologies in Education
- Technologies, Innovations, and Entrepreneurship Security and Surveillance
- Machine Learning
- Privacy, Security, and Human Rights Data Science and Engineering Genomics and Bioinformatics

- Green, Smart Materials, and Composites for Sustainable Habitat Environment and Sustainability

- Smart Technologies and IOT Smart City and Smart Village
- Energy and Renewable Energy Green Technology

CONTACT US:

https://ieeemy.org/htc2024/ ieeer10.htc2024@gmail.com



ENCON IEEE Region 10 Conference 2024 (TENCON 2024)

Artificial Intelligence and Deep Learning Technologies for a Sustainable Future

1-4 December 2024 | Marina Bay Sands | Singapore

www.tencon2024.org



ORGANIZING COMMITTEE

Advisory Committee Lance FÜNG, Australia Deepak MATHUR, India

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Sponsorship Chairs

Ravinder SINGH, Infineon Singapore Yen Kheng TAN, SIMTech Singapore

Local Arrangement Chairs

Emily HAO, PR Singapore Chau YUEN, NTU Singapore

IMPORTANT DATES

Paper Submission Deadline: 30 May 2024

Notice of Acceptance: 1 August 2024

Final Manuscripts Submission: 10 September 2024

CALL FOR PAPERS

TENCON is a premier international technical conference of IEEE Region 10, which comprises 60 Sections, 6 Councils and 42 Sub-sections in the Asia Pacific regions. The theme for TENCON 2024 is Artificial Intelligence and Deep Learning Technologies for a Sustainable Future and it will be held in Singapore from December 1 – 4, 2024.

This conference is expected to bring together researchers, educators, students, practitioners, technocrats and policymakers from across academia, government, industry and non-governmental organizations to discuss, share and promote current works and recent accomplishments across all aspects of electrical, electronics and computer engineering, and information technology. Distinguished speakers will be invited to deliver keynote speeches and invited talks on trends and significant advances in the emerging technologies.

The online electronic paper submission will open from 1 March 2024. The scope of conference papers and exhibits include but not limited to the following areas:

- Artificial Intelligence and Machine Learning Data Analytics and Big Data Robotics, Control, Instrumentation and Automation
- Signal Processing and Image Recognition Computational Intelligence Network and Cyber-Security Communications and Networks RF/Millimeter-wave Circuits and Systems

- Antennas, Propagation and Computational EM Analog and Mixed Signal ICs Optical Communications and Sensors Photonic Technologies

- Internet of Things/MEMs Sensors
- Power Electronics Power Generation, Transmission and Distribution
- Electrical Motors and Drives
- Renewable Energy Sources and Technology Electronic Devices and Materials Processing
- Nano-electronics

- 3D Printing Quantum Technologies Education in Engineering and Technology
- Biomedical Engineering and Healthcare Technologies Sustainable Building and Environment Technologies

TENCON 2024 will feature both invited and contributed papers. The best papers will be selected from the contributed papers for awards. The presented papers will be submitted to IEEE Xplore which is indexed by major databases. Prospective authors are invited to submit full papers that are three to four pages, with double column IEEE Conference format.

Organised by:



IEEE TENCON 2024 Secretariat c/o ace:daytons direct (int'l) pte ltd 2 Leng Kee Road #04-01 Thye Hong Centre Singapore 159086





New and Upgraded Members.

For the period from the 1st March 2024 to the 25th May 2024.

Life Fellows

We have no new life fellows.

Life Senior Members

We have no new life senior members.

Life Members

We have three new life members.

David	A	Coward	Maurice	Linker
C	J	Yorke		

Senior Members

We have 24 new senior members. Matthew Imhoff is an active member

Roba		Abbas	Amr		Al Abed
Alen		Alempijevic	Ian		Atherton
Joonsang		Baek	Matthew		Imhoff
Md.	Rabiul	Islam	Muhammad	Ashad	Kabir
Ghassan		Kbar	Chi	Kwan	Lee
Tongliang		Liu	Guanfeng		Liu
Haiyan		Lu	Alistair		McEwan
Adriana-Simo	ona	Mihaita	Hendra	Ishwara	Nurdin
Holly		Tootell	Stefan	В	Williams
Xiwei		Xu	Danial		Yazdani
Yanguang		Yu	Luping		Zhuo
Не		Zhu	Tanveer	A	Zia

Members

We have a lot more new members - 118 of them. There are familiar names here too. Arslan Kiyani, Naila Mukhtar and Kushboo Singh did register with me.

Malcolm		Abbott	Mahrokh		Abdollahi Lorestani
Luis	Ortiz	Abuel	Jawad		Ahmed
Xiaoyu		Ai	Pasquale		Aliberti
John		Bartholomew	Prabal	Datta	Barua

Craig		Bennett	Patrick		Bergeron
Alan	D	Blair	Hamideh		Bour
Paul	P	Breen	Clement	Louis	Canonne
Rafael	Cabral	Carvalho	Dilek	Louis	Cetindamar
Shamil	Cabrar	Chalikkandy			Chen
		5	Fang Hon	Wah	Cheng
Lingbo Chee	Mun	Cheng	Enzo	wan	Cocotti
		Chong			
Dean	A	Cooper	Navin		Cooray
Francisco		Cruz	Zafirios		Dervenis
Yu	T - 1	Ding	Nard	D	Dumoulin Stuyck
Jeremy	John	Dusing	Geoff	Brian	Edwards
Christopher		Escott	Lindsay		Folkard
Oliver		Fuller	Rama		Ganguli
Ergun		Gide	Vincent		Gramoli
Julian		Grodzicky	Zhouyou		Gu
Kairui		Guo	Lewis	** 1	Hamilton
Sam		Haynes-Cooke Marga		Head	
Ashley		Horne	Eric		Howard
Weidong		Huang	Viorela		Ila
Faizan		Javed	Yossef		Jeyaprakash
Yuchao		Jiang	Luke		Jordan
Md.	Sarwar	Kamal	Prabath		Kamalasena
Killian		Kinsella	Arslan		Kiyani
Abdallah		Lakhdari	Gopichand		Lakshmana Prasad
Bo		Li	Ming		Li
Shuming		Liang	Caroline	Jie Ting	Lim
Xiaojing		Lv	Simon		Ma
Congbo		Ma	Simon		Mackay
Alessandra		Malaroda	Nathan		Marks
Shilpa	Suresh	Mayannavar	Thomas	Lionel	McMinn
Ifeanyichukw	ru Chiadika	Meneke	Gelareh		Mohammadi
Naila		Mukhtar	Nhung	Th	Nguyen
Michael	P	Nielsen	Christina	Sklibosios	Nikitopoulos
Hamed		Nosrati	Rony		Novianto
Kim	L	Nunes	Gavin		Paul
Bruno		Pisano	Yuankai		Qi
Zihang		Qiu	Remya Th	ekkekaramel	Radhakrishnan
Md.	Geaur	Rahman	Troy		Ridgewell
Mohammad		Rowshan	Paul		Rubsov
Kathirgamana	athan	Sabesan	Reza		Sadeghi
Eduardo	В	Sandoval	Rebecca		Schacht
Alejandro	Javier	Schwoykoski	Vikrant	Sharm	ıa
Sheng		Shen	Benjamin	F	Simons
Prabhu	Jyot	Singh	Khushboo		Singh
Stephanie	L	Smith	Walter	Robert Lyall	Smith
William		Song	Saulius	J	Stepulis
Tony		Syme	Cheng		Tan
Bruce	D	Tulloch	Alexandra		Vassar
Steve		Whiteway	Jonathan	Mark Charles	
Gregory	Leigh	Wright	Lan		Wu
21-001					••

Xiaoxue		Xu	Yitao	Yan
Xinzhi		Yan	Yixing	Yang
Jiangshan		Yu	Hijab	Zahra
Muhammad	Ahsan	Zamee	Cheng	Zeng
Tianqi		Zhang	Benjamin	Zhao

New Graduate Student Members

We have 117 new graduate student members

Vijina	**	Abhijith	Ahmad	Basim	Ahmad
Mohsen	Hassan	Aldaadi	Arman		Ali
Thirasara	Devanmini	Ariyarathna	Azadeh		Arnaz
Ting		Bai	Yubo		Ban
Angus		Bell	Laurence	Antony	Boss
Joel		Bottin-Noonan	Nathan	Matthew	Brichta
Philip	C	Jose	Fredo	Paraginog	Chavez
Yeming		Chen	Mark Allen	Roque	Cruz
Tianhao		Deng	Daniela		Elia
Yeman		Fan	Во		Fang
Xingyi		Gao	Samuel	Charles	Garske
Madison		Golledge	Waseem		Haider
Renjith	Hari	Kumar	Jamie		Harrison
Yizhang		Не	Siying		He
Nagida		Helsby-Clark	Ziming		Hong
Mehdi		Hosseinzadeh	Ashraful	Hossain	Howlader
Gui	Ming	Huang	Zhirong		Huang
Afaq		Hussain	Md.	Rashed	Iqbal
Alice		James	Stephen	Frank	Jenkins
Santosh		Karki	Adnan		Khan
Pravab		Khanal	Mahbubur	Rahman	Kiran
Dinh	Tung	Le	Laura		Lepore
Shunyang	C	Li	Chen		Li
Changhao		Li	Lequan		Lin
Yihao		Liu	Keyi		Ma
Guangzhi		Ma	Ieshani Yogya	Manch	nanayaka Arachch
Emad					ıbula Vidanalage
Jesse		Morris	Adnin	Tazrih	Natasha
Niousha		Nazemi	Dac Dang	Khoa	Nguyen
Hoai Duc		Nguyen	Emanuele		Nicotra
Sonia	Farhana	Nimmy	Omed		Omar
Jia	Hui	Ooi	Tharushi	N	Perera
Md.	Mamunur	Rahaman	Md.	MasudRana	
Sukiraj		Rasalingam	Нао		Ren
Arjun		Rijal	Mohammad	Javad	Salehpour
Ed		Saribatir	Avishkar		Seth
Yongfeng		Shan	Zhiqi		Shao
Aryan		Sharma	Zhiwei		Shen
Kuo		Shi	Dai		Shi
Mohammad	Н	Sholehuddin	Neeta		Shrestha
wionaninau	11	Shorenadani	riccia		omestia

Edward		Su	G C		Sushan
Pingyang		Sun	Joel	Alexander	Sved
Abbas		Tabandeh	Jonathon		Tidswell
Alex		То	Khoa	Viet	Tran
Ellis		Tsekouras	Mingxiao		Tu
Harsh		Vazirani	Sose	Raeinaldo	Virnandes
Duc	Dung	Vu	Xinlei		Wang
Chengbo	Chengobo	Wang	Yifan		Wang
Ze		Wang	Xin		Wen
Jiaqi		Wen	Yanping		Wu
Feng		Wu	Haolong		Xiang
Hunter	Hang	Xu	Yuanyuan		Xu
Rongwei		Xu	Yang		Xu
Yiming		Yan	Qiping		Yang
Yuxuan		Yang	Navid		Yazdanjue
Lijia		Yu	Mohammad	Nasrat	Zaqumi
Pouriya		Zarbafian	Ming		Zhao
Boyuan		Zheng	Junxian		Zhou
Zhongzhu		Zhou			

New Student Members

We have 43 new student members.

Larissa		Al Youssef	Leo		An
Jack	Lawson	Barber	Samuel	Jonathan	Botha
Adam		Bowden	Joshua	Malcolm	Callary
Matthew	James	Carrick	Alex		Corneliusen
William	Christopher	Croese	Nicole		Daniel
Kimley		Foster	Qinlin		Gu
Xiaotong		Не	Nina		Isho
Orpheas		Jarel	Kyle		Jefferson
Marcel		Julliard	Krisztina		Katona
Brianna		Laird	Jack		Lewis
Andrew		Longmire	Gordon		Lou
Jack	Warren	Lyford	Mohammed	T.	Masud
Lilith	Scarlett	McGoldrick	Cody		Noll
Mark	Gudjon	Parrish	Osura	Sumal	Perera
Luke		Porter	Aryan		Rajnandan
Damon		Rhook	Zhenxiong		Sang
Thomas	Owen	Smith	Yaxuan		Song
Ashley	James	Stacey	Jarrod		Strong
Stuart	William	Suridge	Christopher S	Sarun Maurice	Tankard
Edward		Walker	Ethan	Patrick	Walsh
Yilun		Wang	Shiun	Yee	Wong
Rama		Yasin			

New Affiliate Members

We have two of them.

Fei Deng Qiang Tang

New Associate Members

We have five of them.

Adrian Deccico Natasha M Fernandes Junbin Gao Alana Maurushat

Anusha Withana

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) or bruce.poon@ieee.org (0414 662 766) 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 <u>bruce.poon@ieee.org</u>



https://site.ieee.org/nsw/newsletters/

Members will be notified by email when a new issue is posted on the Website. Future copies of **Circuit** will only be sent by paper mail on request.

If you require Circuit to be mailed to you in 2024 please complete the form below: Don't bother if you were already getting it by mail in 2023.

P	lease	Deta	ch
г	ורמ זר	חשרות	

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