VOLUME 50 Issue 2                                                                    July 2023

Contents:

Page  2-3  Chairman's message
Page  4-5  Sensor Council joint Workshop
Page  6-12 Australian NSW Universities Symposium on Sustainable Electrical Systems 2022
Page  13-14 Radar 2023
Page  15  IFEEC 2023 in Sydney
Page  16  EMBC 2023 in Sydney
Page  17  Tensymp 2023 in Canberra
Page  18  ISCIT 2023 Flyer
Page  19-20 IEEE NSW Section Outstanding Volunteer Awards 2023
Page  21  IEEE MGA Individual Awards - outside the NSW Section
Page  22  Engineers Australia Course Offer
Page  23-28 New and upgraded members
Page  29  If you want this on paper by post, and aren't already getting it that way

Editorial:

This is the twenty-sixth newsletter I've edited. This one is - as usual - being edited with the very latest stable version of Libre Office – 7.4.5.1.

We have two conference report and a number of conference flyers. Dylan Lu's NSW Universities Symposium on Sustainable Electrical Systems is particularly attractive - the two conference papers I carried over from his report both talk about useful innovations which aren't dramatic but which will make the products that use them a bit smaller, cheaper and better than their competitors, which is what marketing always want and clever design can deliver, from time to time.
Chair’s Message for July 2023

We are now half way through 2023. For most of us, COVID is a thing of the past, but many of us would still prefer not to attend physical meetings. We can keep up to date by viewing on-line or by reading but then we miss the most important service that the IEEE offers, networking with colleagues.

Networking has two important advantages. It lets us discuss a variety topics, both work-specific and general, which is important to our well-being. And these discussions can generate ideas for events and prompt people to volunteer to make them happen.

We all need to be involved. It may be just making the effort to attend an event, but it would be really appreciated if you could help to stage an event. This help could be as simple as giving us the contact details of somebody who could help set up an event. The events could be presentations, lectures, site visits or anything else you can come up with.

After COVID put us all into hibernation, some chapters and groups are now active again while others are still dormant.

Has there been a recent event in your area of interest? If not, it may be that your interests lie in one of those groups that are still dormant, and you might like to help get it working again. Please let me know.

To help get networking back, I have been organising lunches on every second Tuesday and moving them around the metropolitan area. Plans to hold some in regional areas are in hand. If you would like one in your area, please let me know, and do try to suggest a suitable location.

The Section is requesting nominations for outstanding volunteers awards. Further details can be found in the following pages. While talking about nominations, there is the call for the executive positions for 2024. Are you prepared to take the challenge? If yes, organise to be nominated.

IEEE hosts many conferences around the world, so members and others can network and keep up to date with latest happenings in that area. A number of these conferences take place in NSW. Some have involvement of the NSW Section in organising, assisting and promoting. Some are financially supported by the Section. The Section has no involvement with many of them. The Section would like to have some involvement in all conferences held in NSW so that members, especially students, get to understand what is involved in organising conferences. If you are involved in organising conferences, please let the Section know, so that we can help you to make your conference more successful.

Why does the Section financially support some conferences? The Section only receives three (US) dollars per year per regular member from HQ to run the Section’s events. Senior member are worth four (US) dollars a year, so there is a financial incentive for the Section to encourage members to move up to senior membership when they can. Some Societies do give Chapters and Groups additional funds. This total funding is considerably less than what the Section, Chapters and Groups budget/spend in a year, because we made a lot money from one successful conference in Sydney in the 1990's and have been spending it ever since. We have made money (but not as much) from subsequent conferences but extra money is always helpful, and financially supported conferences usually make profits that help the Section's finances. Without that members would have to pay (more) to attend events which are now usually free.

The Section and its OUs (Operational Units) are here to support the members. How are we doing?
We do need your feedback.

Do you have something happening that others should know about?

Is there something we can organise? Presentation on a particular topic, a tour of a particular facility, a seminar, a workshop or the like.

Thinking about what the Section does, the Section is involved in STEM out-reach, basically to support teachers. If you are willing to help with this work, please contact Graham Town.
**Sensor Council Joint Workshop**

A report on the joint work shop of the IEEE and the IMS NSW chapter on sensor fusion and machine learning (ML) for smart applications.

**Date June 23, 2023, 8:30am to 5:30pm, 44 Waterloo Road, Macquarie University**

The main focus of 2023 IEEE sensors council's workshop was on Sensors Fusion and ML for Smart Applications which includes autonomous vehicles, drones, swarm robotics and a few more exciting applications. Both lectures and hands-on activities were involved. The first half was on lectures and the 2nd half was on hands-on experimental activities where the participants made IoT based system starting from sensors, interfacing to embedded processor, wireless communication, uploading data to cloud, data visualization and machine learning.

The talks were available online via zoom along with face to face participation.

The details of the agenda of the workshop were:

- 8:30am to 9:00am: Registration and Morning Tea
- 9:00am to 9:25am: Introduction of Sensors Council and activities by Prof. Subhas Mukhopadhyay, Chair, IEEE SC NSW Chapter
- 9:30am to 10:00am: Drones research at Macquarie University, by Prof. Richard Han, School of Computing, Macquarie University
- 10:00am to 11:00am: Keynote and distinguished lecturer talk by Prof. Alice Zhang, Peking University, Beijing, China
- 11:00am to 11:15am: Break
- 11:15am to 12:30pm: Presentations
  - 11:15 – 11:30am: The development of a new calculable capacitor at NMiA by Brady Shearan
  - 11:30am – 11:45am: Smart sensor node for Soil and Water quantification by Waqas Afridi
  - 11:45am – 12:00pm: Smart Spinal Implant by Subhas Mukhopadhyay
  - 12:00pm – 12:15pm: Sensors Fusion for making drones smarter by Alice James and Avishkar Seth
  - 12:15pm-12:30pm: Real time anomaly detection in IoT system by Ollencio D-Souza
- 12:30pm to 2:00pm: Lunch and visit of Drones Research Lab of Macquarie University
- 2:00pm to 5:30pm: Hands-on activities on IoT
  - 2:00pm to 3:30pm Basic introduction of IoT project. Arduino & Raspberry pi setup and programming it for sensor interfacing. Inter device communication and transmission of data.
  - 3:30pm to 4:00pm: Afternoon Tea break
  - 4:00pm to 5:30pm: Uploading data to cloud using LoRa and WiFi. Development of API. Data Visualization and Machine learning.

A few pictures of the workshop are shown.
A few participants of the workshop

Prof. Alice Zhang delivering her talk on line

Mr. Ollencio D’Souza is delivering his talk

Visit of Drone Research Lab at Macquarie

Hands-on IoT activities by the participants

For details: Prof. Subhas Mukhopadhyay, Subhas.Mukhopadhyay@mq.edu.au Mob: 0421474818
The creation of this special event, sponsored by the IEEE Industrial Electronics Society (IES), satisfies a need that we have identified over the past few years as COVID-19 had restricted conference travel and prevented students from having effective communication and networking with their peers.

Even though the international borders opened in early 2022, many universities in Australia were still limiting international travel for the year. This invitation was to all academic/faculty staff, researchers, postgraduate research students and engineers working on sustainable electrical energy systems across all NSW universities.

The program began with a welcome speech by Prof Dylan Lu, the Chair of the IEEE NSW Joint Chapter IE/IA/PEL. He was followed by Dr C.F.M.S. Reza who is a Ph.D graduate from the University of Sydney and is now working as a Principal Engineer at BP Light Source. He shared his experience working in the industry and highlighted some essential skills the electrical power industry required.

The program then moved to an oral session before lunch. After lunch, we had one poster session followed by another oral session. The event was well attended by 50 delegates that included industry delegates, academic staff, post-doctoral researchers and HDR students. We received 27 submissions and - based on the recommendations of the review panel (academic staff from different NSW universities) - four prizes are awarded to students with outstanding performances.

The winners are as follows:
Best Oral Presentation Award – Mahbubur Kiran (University of Wollongong) and Lei Wang (The University of Sydney)
Best Poster Award – Ye Zhu (The University of NSW)
People’s Choice Award – Pablo Poblete (University of Technology Sydney)

Figure 1: Dr CMFS Reza shared his experience in the power industry after completing his PhD study.
Figure 2. Poster Session

Figure 3. Oral Presentation
High frequency magnetic links (HFMLs) are found in many power electronic conversion systems, such as modern power electronic converter and inverter circuits, including solid state transformers and electric vehicle (EV) charger, where HFMLs can be used as a magnetic link to interconnect multiple sources or loads in addition to its inherent capability to offer galvanic isolation. Efficiency, cost, and weight of such power converters largely depend on the efficient design of HFMLs. Some key factors such as core materials, core structures, winding layouts, and parasitic parameters should be considered during the design of HFMLs. Most existing conventional HFML incorporate an ordinary concentrated winding topology which lets the magnetic core saturate without ensuring possible maximum power transfer [1]. To overcome this technical problem, this article proposes new interleaved winding topology (IWT) which can significantly increase the power transfer capability with the same magnetic core and turn number.

Method: The method includes the selection of proper magnetic materials for the core, an optimized size and shape of the core, and developing the multi-winding HFML with new IWT based winding. Fig. 1 shows the 3D geometry of MWHFML with concentrated and IWT windings.

Results: The MWHFMLs have been analyzed with the finite element method to verify of the proposed design method. A comparative analysis has been carried out in terms of magnetic flux distribution and power transfer capacity of the MWHFMLs. Fig. 2 shows the more uniform flux distribution and improvement in the power transfer capability of the MWHFML with IWT based winding.
Conclusion: The power transfer and other electromagnetic performances of the proposed MWHFML are evaluated with concentrated and interleaved windings. The analysis shows, approximately 27% more electrical power can be transferred from multiple primary windings to single secondary with interleaved winding topology.

Active Power Decoupling Integrated Active Clamp Flyback Converter

Lei Wang, Huan Li, and Sinan Li (sinan.li@sydney.edu.au, The University of Sydney)

I. RESEARCH PROBLEM
Recent developments in fast-charging power delivery protocols are pushing AC–DC adapters into the hundred-watt power range. Conventional solutions in this power range, which use two-stage topology and a large double-line frequency buffer capacitor are generally costly and bulky.

This paper presents a patent-pending active-power-buffering integrated active-clamp flyback (iACF) converter [1], [2], that enables a single-stage adapter design with reduced capacitance requirements and higher efficiency. This is achieved by exploiting the inherent energy storage capability of the clamping capacitor, transforming it into an active power buffer. Compared to conventional ACF converters, iACF does not require hardware modifications, while retaining all the key features of ACF, i.e., soft switching and leakage recycling, which are retained. Operating principles and detailed controller design are discussed, and a 100-W laboratory prototype is built. The experimental evaluation shows that the new single-stage solution enabled by the proposed modulation method is superior to the conventional two-stage and single-stage solutions in terms of cost, conversion efficiency, and power density.

II. THE SOLUTION
iACF works by integrating active power buffering (APB) function into ACF topology (see Fig. 1). The basic idea of iACF is to perform power buffering of the twice-line frequency power difference between $p_{in}$ and $p_o$ by using the inherent clamping capacitor $C_b$ of an ACF converter, instead of the output capacitor $C_o$ as conventional ACF converters do. By allowing a greater voltage ripple on $C_b$, the energy storage requirements and thus the volume of $C_b$ can be greatly reduced. The APB using $C_b$ is made possible by controlling the ON time of the $S_2$ switch.

See Fig. 2, where a longer ON time of $S_2$ will in effect result in $C_b$ being discharged over one switching period, while a shorter one will do the $C_b$ charging. Thus, by controlling the ON time of $S_2$ properly, $C_b$ can be used to buffer the full twice-line frequency power. as well, by controlling the ON time of $S_1$, active shaping of the input current profile can be achieved, allowing power factor correction to be performed.

III. RESULTS AND CONCLUDING REMARKS
The experiment is carried out on a 100W iACF converter, with universal AC input and 20V DC output. An image of the prototype is shown in Fig. 3(a). Compared to the conventional two-stage solution, the proposed solution requires fewer power components and realizes high power density.

Unity power factor and constant output voltage are achieved (see Fig. 3(b)). With 20% voltage ripple on $C_b$, the prototype achieves a 57% reduction in the size of buffer capacitor. The low line efficiency of the prototype at heavy load (66W-100W) is about 93%, which is 1% higher than two-stage solution [3]. In addition, iACF also offers a higher efficiency at light load with a novel burst mode control, achieving up to 10% efficiency improvement over TI’s two-stage solution (Boost PFC + ACF) [3], as shown in Fig. 3(c).
Fig. 3: (a) Prototype picture (b) operating waveforms of iACF at 110 V (c) efficiency comparison with existing solutions at 110V.

REFERENCES


The report included two more papers but, my editorial judgement suggested that they weren’t of enough general interest to go into Circuit.
Radar 2023

In November, the 2023 International Radar Conference (Radar 2023) will be landing in Sydney for the first time. Radar 2023 is the premier international event on radar research, showcasing the latest and most exciting developments ranging from theory to practice.

Although radar has been around for over 75 years, there remain many challenges and opportunities for research and development, and there is still innovation going on in radar. This is driven by technological and information processing advances that are transforming old applications and opening a myriad of new ones.

From its beginnings as large, high power military installations enabling Radio Detection And Ranging of targets (see Figure 1), RADAR has diversified into small, versatile and smart sensors (see for example Figure 2), that are enabling a wide range of applications. Much as bats and dolphins use their sonar to sense their environments for navigation (perceiving their environment and identifying obstacles), and hunting (detection, identification, and localisation of prey), radar carries out a variety of jobs by emitting electromagnetic pulses and processing what gets reflected back by the environment.

Beyond its military use for early warning by detecting and locating targets, radar has always been used for mapping, weather forecasting, navigation, particularly at night and in fog when optical visibility is limited, in air traffic control, seafaring, etc…

As an active sensor, radar operates at frequencies that are much lower than that of visible light, letting it see through some objects, as in ground-penetrating, foliage-penetrating and through-the-wall radar, and even beyond the horizon in the case of Over-the-horizon radar. Recently, as smaller and smarter radar units have become practical, its use has extended well beyond these applications to become a prime modality in a vast array of areas such as driver assistance (as in for instance adaptive cruise control that is already available in many cars), autonomous driving (see Figure 3), safety applications such as driver drowsiness detection which relies on vital signs monitoring (see Figure 4 for , medical diagnosis and monitoring, assisted living, etc…).

Recently, there has been another major development in the convergence of radar and communications with sensing and communications. This was largely motivated by over-crowding in the electromagnetic spectrum and the drive to minimise interference between different functions.

The theme of this year’s radar conference is “dreaming the radar future”. The conference will bring together academics, defence personnel and industry employees to talk about the latest advances in theory, systems, and applications. The conference will also have a number of tutorials on variety of topics, covering fundamental and emerging areas of radar. Events run at the conference will include a Young Professionals evening and an Equity, Diversity and Inclusion event.

A radar boot camp will also run on the weekend immediately prior to the conference. The Boot Camp is aimed at students and young professionals who are perhaps thinking about getting into radar and are interested in learning about it. The radar boot camp will have lectures by internationally leading researchers and professors from Australia, Germany, the UK, and the USA. The radar boot camp will also include a lab tour and radar demonstrations.

The Radar Boot Camp will be held at UNSW Sydney on Saturday 4 and Sunday 5 November, while the Radar Conference will run at ICC Sydney from 6 to 10 November. The full list of topics and further information on the conference can be found at radar2023.org.
Figure 1: Large military radar dish [Wikipedia]

Figure 2: (a) small ultrawideband radar for human activity and vital signs monitoring, (b) Google Soli.

Figure 3: Automotive radar is poised to play a major role in autonomous driving.

Figure 4: eyeblink detection for driver drowsiness: (a) experimental setup (the ultrawideband radar shown in Figure 2(a) was used and is in the little box mounted on the tripod), (b) the signal distinctly showing the eyeblinks.
The 22nd International Symposium on Communications and Information Technologies (ISCIT2023) will be held in Sydney, Australia. Under the technical sponsorship of IEEE and IEEE Circuits and Systems Society, ISCIT2023 will provide a forum for researchers, engineers, and industry experts to exchange and discuss new ideas, recent development, and breakthroughs in communications and information technologies. ISCIT2023 will also offer an exciting social program on the beautiful Sydney Harbour.

Circuit and Systems
- Analogue and Mixed Signal Processing
- Brain-Machine Interface Circuits and Systems
- Circuits and Systems for Communications
- Embedded Communications Systems
- Hardware Architectures for AI
- IoT, Wearable Devices and Smart Sensors
- Low Power Design and VLSI Physical Synthesis
- VLSI Architecture for Signal Processing
- Neuromorphic Computing
- 5G and Beyond Technologies

Next-Generation Networking
- 5G and 6G Networks
- IoT Networking, Data Management, Mining, Fusion and Energy Efficiency
- Cooperative Intelligent Transport Systems
- Networks for Smart Cities
- u-Health Networks
- WLAN, Mesh, and Vehicular Networks
- SDN, NFV, and Cloud-based Networking
- Network Provisioning, Monitoring, and Management
- Multi-Tier Fog/Edge Computing
- Emerging Internet Applications
- Energy-Efficient Design and Green Communications
- Network Security and Privacy

Artificial Intelligence for Communications and IT
- AI-Enabled Wireless Networking
- AI-Empowered Mobile Applications
- Fuzzy Logic and Neural Networks
- General Machine Learning
- Deep Learning
- Statistical and Probabilistic Methods
- Knowledge-Based Engineering
- Big Data Analysis
- Image, Video and Speech Processing
- Natural Language Processing
- Biomedical Information Analysis
IEEE EMBC 2023

The 45th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) will be hosted in Sydney from 24th to 27th July 2023. This will be the first time ever that EMBC has come to Australia or New Zealand and only the second time in the Southern Hemisphere.

We currently have over 2,300 attendees registered drawn from the community of biomedical engineering professionals, clinicians and people who work in the industry. The biomedical engineering community of Australia and New Zealand has a rich history of remarkable scientific and technological contributions dating back to its First Nations (or indigenous) populations, supported by a thriving meditech industry.

This year's conference theme, "Engineering Better and More Resilient Healthcare for All," has particular relevance since the global pandemic. It emphasises our collective commitment to improving healthcare systems and responses worldwide. The scientific tracks will cover the standard topics of the EMBS technical committees, with an additional focus on innovations that address the conference theme. We are excited to showcase groundbreaking research and advances that will pave the way to better healthcare in future. To support this initiative, Theme 12 of the conference is “Translational Engineering for Healthcare Innovation and Equity”. You will also see that a substantial number of the Keynote talks and Special Sessions have a meditech translation emphasis.

In addition to the stimulating scientific sessions, we have put together an exhibition featuring offerings from biomedical engineering companies, publishers, and biomedical engineering programs, institutes, and universities. This exhibition will offer networking opportunities for engineers, clinicians, scientists, and entrepreneurs, as well as providing a venue for students and young professionals to engage with industry leaders. The conference program encompasses workshops, mini-symposia, special sessions, oral and poster presentations, and dedicated sessions for students, young professionals and women in engineering, as well as sessions tailored for clinicians and entrepreneurs.

Nigel Lovell and Sally McArthur (Conference Chairs)

More details at http://embc.embs.org
Call for Papers and Proposals

TENSYMP 2023
6-8 September 2023 • Canberra, Australia

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

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

Topics of Interest Include
but not limited to

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

Important Dates

Special Session / Workshop Proposals
15 April 2023

Paper Submissions
20 May 2023

Camera Ready Submission
25 June 2023

Registration Opens
30 May 2023

Register for this event at https://tensymp2023.org/program/#registration
The IEEE International Future Energy Electronics Conference, IFEEC 2023 as a biannual event, continues its traditions to bring together academicians, students, researchers and practising engineers from all over the world to present emerging topics on electronic technologies for future energy applications.

Keynote Speakers:

Prof. Toshihiko Shimizu
TNU, Japan
Passive Components for Advancements of Power Electronics

Prof. Ron S.Y. Hui
NTU, Singapore
Wireless Power Transfer Technologies

Prof. Floru Zare
QUT, Australia
Impacts of grid-connected inverters in distribution networks: planning, regulations and standardisation

Prof. Graham Holmes
RMIT, Australia
Advances in the Control of Grid Connected Power Electronic Converters

Technical papers are solicited in the following areas: Power Conversion Technologies, Renewable Energy and Applications, Transportation Electrification, Motor Drives, Devices and Components, Smart-Grid Technologies, and Emerging Technologies.

All submissions will go through a single-blind peer review process to ensure confidentiality and fair review. Please refer to the conference website for a detailed list of technical topics and the digest submission method at https://ifeec2023.org/ or via http://www.ifeec.tw.
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 31 July 2023.

Subhas Mukhopadhyay
IEEE NSW Section Awards and Recognition Chair
Nomination Form

For 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 Tuesday 31 August 2023 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:
The "click here to nominate" feature doesn't work. The link is below. This will work for the paper version, too. I'm not a fan of hyperlinks that don't tell you where they are taking you.

https://ieee.secure-platform.com/a/organizations/main/submissions/details/181052
LEARN WHAT YOU NEED TO KNOW TO EXCEL AS AN ENGINEER NOW AND INTO THE FUTURE

Great engineers do more than master one discipline. They understand the bigger picture. How other areas intersect.

Engineering Education Australia’s new digital learning platform, EEA Online is the most direct, accessible and relevant way to equip you with that knowledge.

It’s direct because you learn curated insights straight from subject matter experts.

It’s accessible because you can study anywhere, anytime and at a pace you choose.

It’s relevant because you’re being trained in leading-edge practices with a real-world context.

COURSES

- AS/NZS 3000 – The Wiring Rules
- Contract Foundations
- Enhancing Project Performance
- Introduction to the Building Code of Australia
- Project Planning, Scheduling and Control
- Risk in Engineering
- Safety in Design
- Solar Battery Storage
- Solar Power System Fundamentals
- Starting in the Australian Engineering Workplace
- Systems Thinking in Engineering
- The Engineering and Design Lifecycle

START LEARNING TODAY

eea.org.au/eea-online

10% OFF FOR IEEE NSW CHAPTER MEMBERS

USE THE CODE: IEEEENSW2022
New and Upgraded Members.

For the period from the 1st March 2023 to the 30th June 2023.

**New Fellows**

None

**Life Fellows**

We have one new life Fellow.

Branka S Vucetic

**Life Senior Members**

We have two new life senior members.

Robert E Morley

Darmawan

Sutanto

**Life Members**

We have four new life members.

Paul Axon

Alex Cheng

David A Coward

Krishna Rajaratnam

**Senior Members**

We have 27 new senior members.

<table>
<thead>
<tr>
<th>Tejas</th>
<th>Canchi</th>
<th>Robert</th>
<th>Carman</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xu</td>
<td>Chang</td>
<td>John</td>
<td>Fletcher</td>
</tr>
<tr>
<td>Yansong</td>
<td>Gao</td>
<td>Md.</td>
<td>Islam</td>
</tr>
<tr>
<td>Rafiqul</td>
<td>Islam</td>
<td>Mohammad</td>
<td>Jamshidi</td>
</tr>
<tr>
<td>Sarah J</td>
<td>Johnson</td>
<td>Kiu</td>
<td>Kan</td>
</tr>
<tr>
<td>Ghassan</td>
<td>Kbar</td>
<td>David</td>
<td>Lamb</td>
</tr>
<tr>
<td>Raymond Wing-Fai</td>
<td>Leung</td>
<td>Fengji</td>
<td>Luo</td>
</tr>
<tr>
<td>Herbert Francis’</td>
<td>Mailey</td>
<td>Deepak</td>
<td>Mishra</td>
</tr>
<tr>
<td>Surya</td>
<td>Nepal</td>
<td>Hendra</td>
<td>Nurdin</td>
</tr>
<tr>
<td>Mehmet A</td>
<td>Orgun</td>
<td>Yogeshwar</td>
<td>Ranga</td>
</tr>
<tr>
<td>Rajan</td>
<td>Shankaran</td>
<td>Nabin</td>
<td>Sharma</td>
</tr>
<tr>
<td>Karthick</td>
<td>Thiagarajan</td>
<td>Lei</td>
<td>Wang</td>
</tr>
<tr>
<td>Junyu</td>
<td>Xuan</td>
<td>Basit</td>
<td>Zeb</td>
</tr>
<tr>
<td>Cuo</td>
<td>Zhang</td>
<td>Ali</td>
<td></td>
</tr>
</tbody>
</table>
Members

We have a lot more new members - 193 of them. Kushbo Singh is a familiar name. Not the Bollywood film star, but the recent Ph.D, now at UTS.

<table>
<thead>
<tr>
<th>Member</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vijina</td>
<td>Abhijith</td>
<td>Mohamed Khaled</td>
<td>Abu</td>
<td>Mahmoud</td>
<td></td>
</tr>
<tr>
<td>Warwick</td>
<td>Adams</td>
<td>George</td>
<td>Al</td>
<td>Abed</td>
<td></td>
</tr>
<tr>
<td>Awais</td>
<td>Ahmad</td>
<td>Reem</td>
<td>Mounzer</td>
<td>Almasri</td>
<td></td>
</tr>
<tr>
<td>Hamzeh</td>
<td>Aljarajreh</td>
<td>Ulises Alejandro</td>
<td>Aregueta</td>
<td>Robles</td>
<td></td>
</tr>
<tr>
<td>Simbarashe</td>
<td>Antonio</td>
<td>Mert</td>
<td>Aydin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Md.</td>
<td>Asadujihaman</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yamin</td>
<td>Aye</td>
<td>Ann</td>
<td>Mary</td>
<td>Baby</td>
<td></td>
</tr>
<tr>
<td>Shahram</td>
<td>Bahman Rokh</td>
<td>Reza</td>
<td>Barzegar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaun</td>
<td>Bartlett</td>
<td>Graeme</td>
<td>Best</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graham D</td>
<td>Beirman</td>
<td>Michael</td>
<td>J</td>
<td>Boers</td>
<td></td>
</tr>
<tr>
<td>Christopher M</td>
<td>Bevan</td>
<td>David</td>
<td>J</td>
<td>Bowman</td>
<td></td>
</tr>
<tr>
<td>Hamideh</td>
<td>Bour</td>
<td>Verity</td>
<td>Ann</td>
<td>Carney</td>
<td></td>
</tr>
<tr>
<td>Andrew</td>
<td>Brodie</td>
<td>Sarah</td>
<td>Bruggisser</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark</td>
<td>Butlin</td>
<td>Sudipta</td>
<td>Chakraborty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tarek</td>
<td>Chaalan</td>
<td>Stephen</td>
<td>W</td>
<td>Chase</td>
<td></td>
</tr>
<tr>
<td>Dawnlicity</td>
<td>Charls</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yuqian</td>
<td>Chen</td>
<td>Yijun</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheng</td>
<td>Chen</td>
<td>Eva</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Qingqing</td>
<td>Cheng</td>
<td>Hon</td>
<td>Wah</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chee</td>
<td>Chong</td>
<td>Kerry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guoyu</td>
<td>Chu</td>
<td>Thai</td>
<td>Son</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard</td>
<td>Clements</td>
<td>Sergio</td>
<td></td>
<td>Coniglio</td>
<td></td>
</tr>
<tr>
<td>Chris C</td>
<td>Constance</td>
<td>Dean</td>
<td>A</td>
<td>Cooper</td>
<td></td>
</tr>
<tr>
<td>Adelle C</td>
<td>Coster</td>
<td>Fei</td>
<td></td>
<td>Deng</td>
<td></td>
</tr>
<tr>
<td>John</td>
<td>Eisenhuth</td>
<td>Shaikh</td>
<td>Nayeem</td>
<td>Faisal</td>
<td></td>
</tr>
<tr>
<td>Masoud</td>
<td>Fetanat</td>
<td>Tony</td>
<td></td>
<td>Forward</td>
<td></td>
</tr>
<tr>
<td>Niki</td>
<td>Erina</td>
<td>Amin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew</td>
<td>Gillett</td>
<td>John</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simon</td>
<td>Gross</td>
<td>Mandar</td>
<td>L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ferhat</td>
<td>Hajdarpasic</td>
<td>Bavly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ashley</td>
<td>Horne</td>
<td>Steven</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mohannad</td>
<td>Hussien</td>
<td>Ibrahim</td>
<td>Anwar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reenu</td>
<td>Tresa</td>
<td>Jacob</td>
<td>Christopher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jessica Yajie</td>
<td>Jiang</td>
<td>Yongcheng</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marcel</td>
<td>Julliard</td>
<td>Samuel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaveh</td>
<td>Khalilpour</td>
<td>Jinman</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arslan</td>
<td>Kiyani</td>
<td>Felix</td>
<td>Honglim</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rahul</td>
<td>Krishna</td>
<td>Robert</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tin</td>
<td>Lai</td>
<td>Abdallah</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark E</td>
<td>Larsen</td>
<td>Edmund</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kequyin</td>
<td>Li</td>
<td>Yi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xiangyu</td>
<td>Li</td>
<td>Changhao</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caroline Jie Ting</td>
<td>Lim</td>
<td>Anna</td>
<td>Yun-Wen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hangyue</td>
<td>Liu</td>
<td>Yinyan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ged</td>
<td>Lodder</td>
<td>Sam</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# New Graduate Student Members

We have 176 new graduate student members. Md Hasin Reza Siddiquei is a familiar name - he's an active member.

<table>
<thead>
<tr>
<th>Amani</th>
<th>Abusafia</th>
<th>Muneeb</th>
<th>Afzel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inam Alsayed</td>
<td>Ahmed</td>
<td>Yazeed</td>
<td>Al Zahrani</td>
</tr>
<tr>
<td>Hadeel</td>
<td>Alhosaini</td>
<td>Balsam</td>
<td>Alharbi</td>
</tr>
<tr>
<td>Abdullah</td>
<td>Almohammadi</td>
<td>Najlaa</td>
<td>Saad</td>
</tr>
<tr>
<td>Adel Saeed</td>
<td>Azam</td>
<td>Samrah</td>
<td>Arif</td>
</tr>
<tr>
<td>Basim</td>
<td>Ivan</td>
<td>Bakhshayeshi</td>
<td></td>
</tr>
<tr>
<td>Yitong</td>
<td>Bao</td>
<td>Gisele</td>
<td>Bentley</td>
</tr>
<tr>
<td>Laurence</td>
<td>Boss</td>
<td>Chris</td>
<td>Bull</td>
</tr>
<tr>
<td>Hongkyoon</td>
<td>Byun</td>
<td>Hu</td>
<td>Cao</td>
</tr>
<tr>
<td>Waqas Ahmad</td>
<td>Chaudhary</td>
<td>Fredo</td>
<td>Chavez</td>
</tr>
<tr>
<td>Zhengkun</td>
<td>Chen</td>
<td>Paraginog</td>
<td>Chong</td>
</tr>
<tr>
<td>Indra Neil</td>
<td>Choudhury</td>
<td>Phillip</td>
<td>Cunningham</td>
</tr>
<tr>
<td>Michael Allan</td>
<td>Dhull</td>
<td>Sagar</td>
<td>Deokar</td>
</tr>
<tr>
<td>Prema</td>
<td>Dsouza</td>
<td>Antoni</td>
<td>Dimitriadis</td>
</tr>
<tr>
<td>Royston Gavin</td>
<td>Duan</td>
<td>Yumeng</td>
<td>Du</td>
</tr>
<tr>
<td>Haowei</td>
<td>Wei</td>
<td>Duan</td>
<td></td>
</tr>
<tr>
<td>Daniela</td>
<td>Elia</td>
<td>Elizabeth</td>
<td>Englezos</td>
</tr>
<tr>
<td>Zheng</td>
<td>Feng</td>
<td>An</td>
<td></td>
</tr>
<tr>
<td>Brahma Teja</td>
<td>Gandhari</td>
<td>Jingying</td>
<td>Gao</td>
</tr>
<tr>
<td>Gabriel</td>
<td>Garcia</td>
<td>Rachel</td>
<td>Gray</td>
</tr>
<tr>
<td>Jiwei</td>
<td>Guan</td>
<td>Yiru</td>
<td>Guo</td>
</tr>
<tr>
<td>Yichao Hao</td>
<td>Md. Ershaul</td>
<td>Haque</td>
<td></td>
</tr>
<tr>
<td>Akm Nadimul</td>
<td>Haque</td>
<td>Renjie</td>
<td>He</td>
</tr>
<tr>
<td>Siying</td>
<td>He</td>
<td>Muhammad</td>
<td>Iqbal</td>
</tr>
<tr>
<td>Seikh Mohammed</td>
<td>Islam</td>
<td>Michael</td>
<td>Italiano</td>
</tr>
<tr>
<td>Alice</td>
<td>James</td>
<td>Majid</td>
<td>Jazebi</td>
</tr>
<tr>
<td>Wael G Jefry</td>
<td>Yue</td>
<td>Jiang</td>
<td></td>
</tr>
<tr>
<td>Gary</td>
<td>Rhea</td>
<td>Johnson</td>
<td></td>
</tr>
<tr>
<td>Jincymol</td>
<td>Joseph</td>
<td>Zian</td>
<td>Shah</td>
</tr>
<tr>
<td>Md Prabath</td>
<td>Kamal</td>
<td>this space intentially left blank</td>
<td></td>
</tr>
<tr>
<td>Nuwan Karunaratna</td>
<td>Karathota Kandambige</td>
<td>this space intentially left blank</td>
<td></td>
</tr>
<tr>
<td>Anushka</td>
<td>Kharbanda</td>
<td>Asif</td>
<td>Khan</td>
</tr>
<tr>
<td>Travis John</td>
<td>Knigh</td>
<td>Aline</td>
<td>Knab</td>
</tr>
<tr>
<td>Navin</td>
<td>Kumar</td>
<td>Yajing</td>
<td>Kong</td>
</tr>
<tr>
<td>Moe Hein</td>
<td>Kyaw</td>
<td>Illwan</td>
<td>Kwon</td>
</tr>
<tr>
<td>Hoang Trung</td>
<td>Le</td>
<td>Tian</td>
<td>Lan</td>
</tr>
<tr>
<td>Jizhizi</td>
<td>Li</td>
<td>Yuowei</td>
<td>Li</td>
</tr>
<tr>
<td>Qi Li</td>
<td>Li</td>
<td>Huan</td>
<td>Li</td>
</tr>
<tr>
<td>Fujian Li</td>
<td>Li</td>
<td>Mingjian</td>
<td>Li</td>
</tr>
<tr>
<td>Chen Li</td>
<td>Li</td>
<td>Jinhang</td>
<td>Li</td>
</tr>
<tr>
<td>Yueyue Liu</td>
<td>Liu</td>
<td>Hengrui</td>
<td>Liang</td>
</tr>
<tr>
<td>Yue Liu</td>
<td>Liu</td>
<td>Tangyou</td>
<td>Liu</td>
</tr>
<tr>
<td>Qi Liu</td>
<td>Liu</td>
<td>Xuemeng</td>
<td>Liu</td>
</tr>
<tr>
<td>Guanzhi Ma</td>
<td>Liu</td>
<td>Xun Lu</td>
<td>Lyu</td>
</tr>
<tr>
<td>Asaad</td>
<td>Makhalfih</td>
<td>Max</td>
<td>Maarishetti</td>
</tr>
</tbody>
</table>

Note: This list includes all new graduate student members. Additional names may be added in future updates to the list.
Mathumathi Manoharan Abdul Matin
William McDonald Claire McFarland
Hosnee Mobashir Jayden Moore
Rahma Mukta Minh Tran Duc Nguyen
MingCheng Nie Andre Nunez
Jia Ooi Karan Pahuja
Geetha Pai Aswin Palanisamy
Rishitha Pasunuti Thomas Anthony Perrau
Quang Bach Phan Watcharakorn Pintthurat
Haibo Qiu Feiou Que
Obaidur Rahman Alejandro Ranchal Pedrosa
Hallur Reynisson Xinhui Rong
Mohammad Salehpour Ajit Sang Samani
Rui Sang Pattarapor Thomas Sangaroonasilp
Raymond Schleibs Senevirathne Searle
Viraj Rangana Shafei Shafir
Hamidreza Shaukat Krishna Ajit Seth
Kamran Shaukat Hamish Peter Shah
Lin Shi Md Hasin Reza Shaw
Greta Stojanovic Tom Su
Kapila Susantha Nikhil Pokkandath Siddiquei
Rebecca Shafei Dhyey Shan
Jacob Neil Taylor Zhiyi Tian
Faranak Tohidi The Xuan Tran
Muhammad Umar Monisha Mushtary Uttsha
Hiep Vo Xinyu Wan
Wenning Wang Hao Wang
Chuhan Wang Xinyi Wang
Xiyu Wang Wenhao Wang
Kithmini Weththasinghe Jie Xuan Tran
Wenbo Xu Kai Xu
Bin Yang Zhengjie Yang
Elham Yazdani Bejarbaneh Lijia Yu
Yuan Chench Chao
T Zhang Xu Zhang
Yu Zhang Zao Zhang
Borui Zhang Dawen Zhang
Yang Zhang Yuhan Zhang
Weiming Zhi Jie Zhou
Shijia Zhou Ming Zhou
Zeyang Zhou Xuelan Zhu
Rong Zhu Wei Zong
New Student Members

We have 72 new student members.

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fahad</td>
<td>Al Maraee</td>
<td>Meshal</td>
<td>Alsharif</td>
</tr>
<tr>
<td>Danial</td>
<td>Bavi</td>
<td>Wenyu</td>
<td>Cai</td>
</tr>
<tr>
<td>Ben</td>
<td>Carroll</td>
<td>Lloyd</td>
<td>Chan</td>
</tr>
<tr>
<td>Yunshu</td>
<td>Chen</td>
<td>Quanhao</td>
<td>Chen</td>
</tr>
<tr>
<td>Kehao</td>
<td>Chen</td>
<td>Yufei</td>
<td>Cheng</td>
</tr>
<tr>
<td>Dominic</td>
<td>Clarke</td>
<td>Charles</td>
<td>Crisp</td>
</tr>
<tr>
<td>Nicholas</td>
<td>Ryan</td>
<td>Darcy</td>
<td>Davis</td>
</tr>
<tr>
<td>Mitchell</td>
<td>Andrew</td>
<td>Dederer</td>
<td>Fonti</td>
</tr>
<tr>
<td>Jacob</td>
<td>John</td>
<td>Hopkins-Windle</td>
<td>Mohammad</td>
</tr>
<tr>
<td>Jason</td>
<td>Conrad</td>
<td>Howarth</td>
<td>Hossain</td>
</tr>
<tr>
<td>Liam</td>
<td>Irving</td>
<td>Vishal</td>
<td>Jaiswal</td>
</tr>
<tr>
<td>Xingjue</td>
<td>Jiang</td>
<td>Cooper</td>
<td>Joyce</td>
</tr>
<tr>
<td>Rim</td>
<td>Khalil</td>
<td>Birat</td>
<td>Khanal</td>
</tr>
<tr>
<td>Akriti</td>
<td>Kumal</td>
<td>Christina</td>
<td>Lauw</td>
</tr>
<tr>
<td>Jesse</td>
<td>Patrick</td>
<td>Lawler</td>
<td>Leung</td>
</tr>
<tr>
<td>Jinshu</td>
<td>Liu</td>
<td>Daniel</td>
<td>Lloyd</td>
</tr>
<tr>
<td>Emma</td>
<td>Lu</td>
<td>Adam</td>
<td>Lucas</td>
</tr>
<tr>
<td>Md.</td>
<td>Riazuddin</td>
<td>Mazumder</td>
<td>Nguyen</td>
</tr>
<tr>
<td>Elish</td>
<td>Patil</td>
<td>Tom</td>
<td>Penyikie</td>
</tr>
<tr>
<td>Osura</td>
<td>Sumal</td>
<td>Perera</td>
<td>Phillips</td>
</tr>
<tr>
<td>Neil</td>
<td>Ian</td>
<td>Parinas</td>
<td>Rahman</td>
</tr>
<tr>
<td>Reece</td>
<td>Walter</td>
<td>Reynolds</td>
<td>Rolley</td>
</tr>
<tr>
<td>Rueben</td>
<td>Rosario</td>
<td>Rhys</td>
<td>Schmold</td>
</tr>
<tr>
<td>Qinyu</td>
<td>Shi</td>
<td>Petros</td>
<td>Stamatios</td>
</tr>
<tr>
<td>Stevan</td>
<td>Stanojevic</td>
<td>Alexander</td>
<td>Starchak</td>
</tr>
<tr>
<td>Felice</td>
<td>Tan</td>
<td>Sara</td>
<td>Tayari</td>
</tr>
<tr>
<td>Che-Wei</td>
<td>Tsao</td>
<td>Netani</td>
<td>Tukana</td>
</tr>
<tr>
<td>Momir</td>
<td>Vrankovic</td>
<td>Zhi</td>
<td>Wang</td>
</tr>
<tr>
<td>Zhongxu</td>
<td>Wang</td>
<td>Yingqi</td>
<td>Wang</td>
</tr>
<tr>
<td>Fubara</td>
<td>George</td>
<td>Warmate</td>
<td>Wu</td>
</tr>
<tr>
<td>Alan</td>
<td>Xie</td>
<td>Ran</td>
<td>Xing</td>
</tr>
<tr>
<td>Alice</td>
<td>Xu</td>
<td>Yuxin</td>
<td>Xue</td>
</tr>
<tr>
<td>Zilin</td>
<td>Yang</td>
<td>Yaxi</td>
<td>Yang</td>
</tr>
<tr>
<td>Jiayi</td>
<td>Yang</td>
<td>Shuchang</td>
<td>Ye</td>
</tr>
<tr>
<td>Xiwen</td>
<td>Zhai</td>
<td>Xiaotian</td>
<td>Zhang</td>
</tr>
<tr>
<td>Yisheng</td>
<td>Zheng</td>
<td>Yuxuan</td>
<td>Zhou</td>
</tr>
</tbody>
</table>
New Affiliate Members

We have four of them.

Maxim Borovi
Wentao Lu
Gary Matthew Brookes

New Associate Members

We have nine of them.

Lucy Armitage
Arik Friedman
Rachel Macfarlane
Manish Narsipura
Manish Sreenivasa
Ubaldo Torre
Youssef Orsolya Sara
Ben Bouchta Kekesi
Orsolya Kayleen
Sara Basem
Kekesi Manwaring
Sara Suleiman

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 bruce.poon@ieee.org
Circuit is currently provided electronically from the IEEE NSW Section web site

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 2023 please complete the form below:
Don’t bother if you were already getting it by mail in 2022.

Please Detach

---------------------------------------------------------------------------------------------------------------------------------

Yes, I want to continue receiving future editions of Circuit by post
Name:...........................................................................................................................................
Member No: ...........................................................................................................
Address: ........................................................................................................................................ Postcode: ............................................
Tel: (H)……………………… (W)…………….…........ (M)……………..……………..
FAX: ...........................................
Email: ..............................................................................................................
Post to: Bill Sloman, Circuit Editor, Unit 60, 1Tewkesbury Avenue, Darlinghurst NSW 2010

Patents | Trade Marks | Designs
View our attorney profiles at:
www.adamspluck.com.au
Phone us on 02 9476 0477 to discuss your IP requirements