



The Institute of Electrical and Electronics Engineers, Inc.

VOLUME 45 Issue 1

Secretariat

AUSTRALIAN PROFESSIONAL CENTRE
PO Box 576
CROWS NEST NSW 1585
Tel: +61 2 94318600

March 2018

IEEE NEW SOUTH WALES SECTION
ARBN 078 576 495 ABN 34 078 576 495

Editor: Bill Sloman
e-mail: bill.sloman@ieee.org
Web page:
<http://sites.ieee.org/nsw/>

Contents:

Page 2	New committee.
Page 3	Chairman's message
Pages 4-5	2017 AGM and Annual Dinner
Page 6	Professor Peng Shi
Page 7	Tensymp 2018
Page 8	New Fellows
Page 9	Professional Development - what do members want?
Pages 10	Sydney University research presentations
Pages 11-12	Power and Energy Society
Pages 13	Instrumentation and Measurement workshop at Mcquarie
Page 14	Inaugural meeting of Computational Intelligence chapter
Pages 15 -19	New and upgraded members.
Page 20	Free student membership
Page 21	If you want this on paper by post, and aren't already getting it that way.

Editorial:

This is the tenth newsletter I've edited. This one is being edited with a newly downloaded copy of the very latest stable version of Libre Office – 5.4.5.1 - which still doesn't necessarily mean that I'll be able to process .docx submissions – if they come in as .docx, they may get translated to.doc.

We've got a new chairman, but the same secretary, so the committee meeting may run faster this year, though some of last year's committee meetings were admirably brisk.

I would have liked to put Sasha's strategic plan into this issue of Circuit, but it seems that it is still being refined.

Stefan Mozar - the unsuccessful candidate for the chairman's job - has just won Engineers Australia's Information, Telecommunications, and Electronics Engineering (ITEE) College's 2017 David Robinson Award. More prestige and less work. I'm sure we are all happy to congratulate him.

And Professor Michelle Simmons is Australian of the Year. She's not an electronic engineer but her work does involve a lot of electronics.

IEEE NSW Section 2017 Executive election

The IEEE NSW Section 2018 Executive committee is much the same as last year's.

As announced at the 2017 AGM on 17 November 2016 the committee is as follows:

Section Chair – Sasha Nikolic

Section Vice Chair – Georgios Konstantinou

Section Secretary – John Aitken

Section Treasurer – Ray Brown

Past Section Chair – Karu Esselle

Assistant Secretary – Sherry Moghadassi

Assistant Treasurer – Bill Sloman

The Australia Council Officers can be seen at

<http://ewh.ieee.org/r10/australia/council/committee.html>

Sasha is the NSW representative and Ray Brown is now Treasurer.

Please visit the IEEE NSW Section web page for details of all Committee Officers and positions at

<http://sites.ieee.org/nsw/committe/>

Members to are encouraged to consider nominating for service on the Section Committee as well as for elected office – it's the only sure way of stopping the committee from trying to get you to do something else that you might fancy even less.

Chairman's Message

I thank all members for their continued involvement with the IEEE and welcome to the first edition of Circuit for 2018.

It was an honour to have been elected as the 2018 NSW Section Chair, as announced at last years AGM. The AGM was a huge success, so a huge thank you to the volunteers that made the event as great as it was. The AGM continues to build year on year and if you did not get a chance to make it, please try and do so this year.

Please don't forget to renew your IEEE membership for 2018.

In January this year we created and released a draft strategic plan to all members for comment. Thank you to members that provided feedback. Over the next few months we will review and approval all the items on the plan.

At our first meeting we agreed to improve our section webpage by August and to provide new means of communications. As a result we have created Facebook and LinkedIn pages, as they seem to be most popular. Please feel free to join, engage and post material of value to IEEE members! If there are any events or posts that interest you, please like them so that your own networks can be exposed to the conversation.

Facebook page link: <https://www.facebook.com/IEEE-NSW-Section-146048629397751/>

LinkedIn page link: <https://www.linkedin.com/groups/13578458>

Throughout the next few months we will continue to work hard on implementing many initiatives outlined in the plan.

In particular, during the year we will be working harder to make our student branches stronger, and bring our academic and industry members closer together.

Two big conferences within the IEEE this year are TENSYP and TALE. Please consider taking part!

I wish all members a great 2018 and encourage everyone to get involved. IEEE membership is of most value if you engage with the members and opportunities!

Sasha Nikolic
Chair, IEEE NSW Section



2017 NSW Section AGM and Annual Dinner

The 2017 AGM was held at the Sydney Mechanics School of Arts, Mitchel Theatre, in Pitt Street and was well attended by over one hundred Members.

The meeting was opened by the Chair Prof Karu Esselle, FIEEE, at 6:45pm and concluded at 7:45pm.

2017 was a very good year for IEEE NSW Section with Sydney been selected for the IEEE Sections Congress which was held at the ICC with 1300 Delegates attending.

Sydney also was selected for the Panel of Conference Organisers(POCO) Conference which was also well attended. The NSW Section also bid for and hosted the ANZSCON 2017 at UTS

<http://sites.ieee.org/anzscon-2017/>.

The Conference was very successful with over 150 delegates from Australia and NZ participating. The IEEE President and Region 10 Director also attended the Event. I wish to thank and congratulate Dr Raheel Hashmi, Dr Beeshanga Jayawickrama, Dr Syed Abbas, Balakrishna Sarma and all the other volunteers who contributed to the success of the event. Prof Karu Esselle thanked UTS for providing the Venue.

There were several other successful conferences and Events and the Section won two Awards for Membership Retention, and for Membership Retention and Recruitment. Section Chair Prof Karu Esselle, FIEEE, was presented with a Certificate by incoming Section Chair Sasha Nikolic in recognition. Prof Esselle accepted the certificate on behalf of the Section and thanked all that made it possible.

NSW Section Treasurer Dr John Ypsilantis presented the Treasurer's report and informed the Meeting that the Section's finances were in a healthy state, although revenue was down a bit on the previous year. Dr Ypsilantis announced that he was stepping down as Treasurer after serving in the position for several years. I would like to thank him on behalf of the Section for his excellent service as Secretary and Treasurer and wish him all the best for the future.

Prof Esselle also announced the Election results for the 2018 Executive Committee;

Chair:	Sasha Nikolic(University of Wollongong)
Vice Chair:	Dr Georgios Konstantinou(University of New South Wales)
Secretary:	John Aitken
Treasurer:	Ray Brown

Prof Esselle thanked all the outgoing Committee and Volunteers and congratulated the winners and wished them all the best in the positions and for 2018.

There were several awards presented including to Anh Minh Le, Minh Nguyen and Duc Thien Bui in recognition of winning 1st place in Australia(and 32nd worldwide) in the IEEEExtreme 11.0 programming competition.

Roy B V B Simirangkir from Macquarie University won 1st place in the IEEE Region 10 Postgraduate Student Paper Contest.

Certificates were also presented to Macquarie University Student Branch Chair Saad Ul Hasan and Vice Chair Arslan Kiyani by Prof Karu Esselle for winning first place in the Australia Council Student Branch Competition 2016.

NSW Power and Energy Chapter Chair Dr Georgios Konstantinou announced that the 2017 PES Outstanding Engineer Award winner was Prof Danny Sutanto from the University of Wollongong.



After the Section AGM the Annual Dinner was held at the Braza Brazilian Restaurant at Darling Harbour. The dinner was very well attended. About 140 Members and Guests enjoyed the great Brazilian food, with the dinner concluding about 11:00pm.



The web site

<http://sites.ieee.org/nsw/upcoming-events/gallery/>

has more photographs.

Submitted by Tony Zaglas



Professor Peng Shi



Prof Peng Shi, from the University of Adelaide has been named as one of the most cited Researchers in 2017 by Clarivate Analytics (Thomson Reuters).

In 2016, Prof Shi published 17 "Hot Papers" (Essential Science Indicators 0.1%, Web of Science) in the field of Systems and Control Theory, that placed him at the 7th in the Top-20 Hottest Researchers List globally, (the only Australian in the list) according to Clarivate Analytics. In addition he has won a number of awards over the past ten years including Highly Cited Researcher (continuously from 2014 to 2017), runner-up for the 2017 Scopus Researcher of the Year

Award (Australia and New Zealand, for Excellence in Innovation Research), and Andrew Sage Best Transactions Paper Award from IEEE Systems, Man and Cybernetics (SMC) Society. He is a Fellow of Institute of Electrical and Electronic Engineers, the Institute of Engineering and Technology, and the Institute of Engineers Australia.

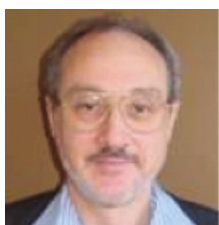
Prof Shi is now a Board of Governors Member at large of IEEE SMC Society, and an IEEE Distinguished Lecturer.

He has a Ph.D. (Electrical Engineering) from the University of Newcastle, Australia, and a Ph.D. (Mathematics) from the University of South Australia. He has been awarded two higher doctorates, the Doctor of Science degree from the University of Glamorgan, UK, and the Doctor of Engineering degree from the University of Adelaide, recognizing his outstanding research achievements in mathematical modelling, analysis and design on complex dynamic systems; and his significant contributions to hybrid dynamic systems.

Prof Shi has served on the editorial boards of a number of leading international journals, including Automatica, IEEE Transactions on Automatic Control, IEEE Transactions on Cybernetics, IEEE Transactions on Circuits and Systems, IEEE Transactions on Fuzzy Systems, IEEE Access and IEEE Control Systems Letters. He has also served as general chair and program committee member for numerous conferences, including many IEEE conferences. He has been chairman of the Control, Aerospace and Electronic Systems Chapter, IEEE South Australia Section.

On behalf of the IEEE NSW Section I wish to congratulate Prof Shi for this well-deserved recognition and wish him and his family all the best for the future.

Tony Zaglas



TENSYMP 2018

IEEE NSW Section has won the right to host TENSYP 2018 in Sydney between 4 and 6 July 2018.

TENSYP is an IEEE Region 10 Conference. The Symposium will be held in the Sydney CBD and its theme is to be the impact of the Internet of Things.

The venue will be the Mercure Sydney near Central.

Stefan Mozar is TENSYP 2018 General Chair and Eddie Fong the Co-Chair. There is Australian and New Zealand as well as IEEE Region 10 participation. Technical Chairs have been selected from around Australia and IEEE Australia Council is actively involved with Dr Zia Ahmed (Australia Council Chair) on the Conference Committee.

Technical Subjects include Artificial Intelligence, Electronics & Communications, Healthcare, Industrial Electronics, Software, Power, Vehicular Technology, Microwaves and Antennas & Propagation, Smart Cities and Industrial Electronics. There will also be participation by Industry, Women in Engineering and Young Professionals.

The call for papers closes (for abstracts) on 26 March 2018 and acceptance will be advised by 23 April 2018. The date for final Paper Submissions is 4 June 2018.

EDAS has been chosen for Paper Submission Management. The Call for Papers has been circulated worldwide. If potential authors need more time, please advise the general chair at s.mozar@ieee.org. Industry presentations will also be accepted as power-point-only presentations. To be considered for as an industry presentation, presenters should submit a half page abstract discussing the content of the presentation. Industry presentations should be of interest to practicing engineers.

Lightning presentations are also encouraged. These are short 5-minute presentations which have a maximum of 6 power-point slides.

Presented papers will be submitted to IEEE Xplore digital library to be considered for publication. IEEE Xplore is indexed by major databases.

The Conference will include keynote speeches by prominent speakers from academia and industry as well as workshops, tutorials and panel sessions. In addition, industry talks will be included, as well as a Ph.D. workshop, WIE and Young Professionals workshops and panel sessions.

If you or your organisation would like to sponsor TENSYP 2018 please contact Sponsorship Chair Tony Zaglas antonyz@ieee.org.

As with all conferences reviewers play an integral part in the success of the event and if you would like to volunteer please contact the respective Technical Chair.

Registration will be available shortly, with discounted rates for members and students. More information is available at <http://sites.ieee.org/tensymp2018/>

Tony Zaglas



IEEE Fellows - Class of 2018

Members of NSW Section



Distinguished Professor Jie Lu is the Associate Dean (Research Excellence) in the Faculty of Engineering and Information Technology (FEIT) of the University of Technology of Sydney (UTS).

She is also the Director of Center for Artificial Intelligence (CAI.UTS). She was the Head of School of Software and the Director of Decision Systems & e-Service Intelligence (DeSI) lab in the FEIT.

Her fellowship was awarded for "for contributions to fuzzy machine learning and decision support systems".



Professor Guoqiang Mao joined the University of Technology Sydney in February 2014 as Professor of Wireless Networking at the School of Computing and Communications and the Director of UTS Centre for Real-time Information Networks. Before that he was an academic staff at the School of Electrical and Information Engineering, the University of Sydney.

His fellowship was awarded "for contributions to localization algorithms for wireless networks".



Professor Dong Xu is Chair in Computer Engineering at the School of Electrical and Information Engineering, The University of Sydney, Australia.

He received the B.Eng. and PhD degrees from University of Science and Technology of China, in 2001 and 2005, respectively. While pursuing the PhD degree, he worked at Microsoft Research Asia and The Chinese University of Hong Kong for more than two years. He also worked as a postdoctoral research scientist at Columbia University from 2006 to 2007 and a faculty member at Nanyang Technological University from 2007 to 2015. for contributions to nanoscale electronic materials and devices.

His fellowship was awarded for "for contributions to recognition and retrieval of multimedia and biometric data".

Professional Development – What do the members want?

The NSW section has over 2900 members. Are their needs being fulfilled?

There is a wide variety of needs because our membership includes undergraduates, post graduate students, academics, people working in industry and some not actively involved in day to day activities who still have experience that could be passed on.

The section has a number of Chapters (some of which are very active), which have specialised programs for their members. These Chapters always welcome new members to participate and become involved.

Most Universities have student branches.

This leaves a large proportion of the members who are not actively involved in local activities.

This raises the question - why?

A simple question – do you know who is an IEEE member in your (work) group?

If a group of members see a need for an activity then consideration can be given to making it happen. If you want something to happen you do have to ask for it.

What is currently available to the membership?

The IEEE, with Engineers Australia. and the IET run a lecture program known as the Joint Institutions Lecture Series (JILS). This series presents about 16 lectures per year of which each Institution organises about one third. Currently, the lectures are held at Harricks Auditorium of EA at Thomas St, Chatswood on second and fourth Thursday evenings of the month at 6pm (excepting school and public holidays). The lectures are free to the members of all three institutions. Attendance at the lectures varies from about 25 to 150 depending on the topic.

In some ways this is disappointing, considering the total membership of three Institutions and the money that the Institutions pay for staging them.

Comments about the location and timing of the lecture would be appreciated.

We are thinking about having the lectures recorded so that they can be accessed over the web after the event.

The JILS Committee always welcomes suggested topics and people prepared to present a lecture. If you are willing to give a talk or can suggest someone who might be, please let me know.

As for the IEEE, do we want to start our own lecture/presentation series?

Do we have any volunteers to form a committee?

Thoughts are that the location and time might change from lecture to lecture and that times might vary even for a series at one location. Even if you could not spare the time to organise the program, suggestions and offers of locations and topics would be welcome.

Colin Elston
(talbingo@optusnet.com.au)

IEEE Co-ordinator of Professional Development.

Sydney University Conversazione 2017

The Faculty of Engineering Research Conversazione 2017 took place on Wednesday 18 October 2017 and was opened by the Dean of Engineering and IT Prof Archie Johnston. After the opening there were several presentations by research students.

One of the presentations was by Jean-Paul Semaan, Tracy Huang, Edna Seyama-Heneghan and Rameen Hayat-Malik and related to undergraduate humanitarian fieldwork. The presentation described work carried out in agricultural post-processing of taro to increase earnings for small-hold farmers in Samoa. They demonstrated a self-built solar dehydrator for taro which decreased the farmers dependence on selling fresh taro and ensures a regular income.



This was followed by an exhibition at the Seymour Centre, of research and projects carried out by the students, where guests were able to view the work carried out and ask questions.

Students and researchers presented their work in many fields including biomedical and health, materials science, structures, agriculture, oceanic engineering, robotics, power engineering and renewables, mechanical engineering and data science. Eric Ferguson from the IEEE NSW Chapter exhibited his work in Oceanic Engineering.

More photos can be viewed at

https://www.facebook.com/pg/Engineering.IT.Sydney.University/photos/?tab=album&album_id=1876632732347690

Tony Zaglas



IEEE NSW Power & Energy Society Committee

The 2018 Committee for the NSW Power & Energy Society Chapter as elected in the November 2017 meeting is:

- Chapter chair: Georgios Konstantinou, UNSW Sydney
- Chapter vice-chair: Harith Wickramasinghe, UNSW Sydney
- Chapter Secretary and Treasurer: Pouya Jamborsalamati, Macquarie University

Please contact us with any suggestions and feedback for 2018.

R10 PES meeting and APPEEC 2018

The 10th Annual Asia-Pacific Power and Energy Engineering Conference (IEEE PES APPEEC 2018) which will co-host the R10 PES Chapter meeting will take place from the 7th to the 10th of October 2018 in Kota Kinabalu, Sabah, Malaysia. The theme of the conference is “*Embracing Challenges for Power Engineering Sustainability*” and the deadline for full paper submission is the 15th of May.

Introducing the NSW PES Outstanding Undergraduate Thesis Award for 2018

The NSW Power and Energy Chapter is introducing the “NSW PES Outstanding Undergraduate Thesis Award” for outstanding undergraduate thesis projects completed in a NSW university in 2018. In order for applications to be eligible, the student must i) be an active PES member for 2018 and ii) have completed and submitted their thesis in 2018 in a NSW university on a topic relevant to the scope of the Power and Energy Society. The winner will receive a \$300 award and a certificate from the chapter. Applications will open later in the year and the winner will be announced in the November AGM.

PES NSW Chapter Outstanding Engineer Award

Each year the IEEE Power & Energy Society New South Wales Chapter presents the Outstanding Engineer Award (OEA) to a PES NSW chapter member judged to have made a significant contribution to the engineering profession. For further information please refer to the PES OEA PDF.

The winners in the past 4 years were:

2017	Danny Sutanto	For contributions to power system analysis and power engineering education.
2016	Trevor Blackburn	For service to the PES NSW Chapter and for contributions to power engineering, engineering education and standards development.
2015	John Robinson	For service to the IEEE PES New South Wales Chapter
2014	Vic Gosbell	For contributions to the field of electric power quality and to power engineering education

Nominations for the 2018 OEA are now open. Members are asked to nominate an individual via e-mail to the PES chapter chair at g.konstantinou@ieee.org

Pioneering solar engineer Stuart Wenham dies, aged 60



Prof. Stuart Wenham of UNSW passed away peacefully on the morning of Saturday 23 December with family and close friends by his side, aged 60. Wenham is the inventor of the Advanced Hydrogenation hydrogen passivation technology, which has made it possible for the efficiency of solar cells to be boosted from 18% to 25%, while allowing a one hundred-fold decrease in the production costs of these high efficiency cells. The technology, based on the use of lasers to control the charge state of hydrogen atoms within a silicon wafer, was heralded

as a “breakthrough for silicon photovoltaics” by the UK Institution of Engineering and Technology when it awarded him the 2013 A.F. Harvey Engineering Prize.

A memorial service was held on Monday 8 January 2018 at 2pm, at the Sir John Clancy Auditorium at the Kensington campus of the University of New South Wales in Sydney.

Read the whole story at: <http://www.ecogeneration.com.au/hydrogenation-a-hundredfold-solar-cell-booster-shot/>



Australian of the Year

On a more cheerful note, another UNSW staff member - Professor Michelle Simmons - has been recognised as Australian of the year. She's a physicist rather than an electronic engineer, and while she has published in *IEEE Transactions On Nanotechnology*, (vol. 6, pp. 213 - 217, <http://dx.doi.org/10.1109/TNANO.2007.891823>) she mostly publishes in physics journals,

We have boasted about her team's work elsewhere - her team is putting together a rudimentary quantum computer and has every expectation of being able to scale it up to something that could do useful work over the next few years.

The team uses the tools of integrated circuit manufacturing to put single phosphorus atoms into a micron-thick layer of isotopically depleted silicon atoms (more than 99% Si-28, where natural silicon is only 92.23% Si-28) then cools it all down to within a tenth of a degree Kelvin of absolute zero (which calls for liquid helium-3, which is rather harder to get hold of than regular helium-4) before using more or less conventional electronics to manipulate the spin state of phosphorus atom. I've been through the laboratory on an IEEE-organised tour, and it's impressive stuff.

Bill Sloman

Report on IEEE IMS NSW Chapter workshop

The inaugural annual workshop of IEEE Instrumentation and Measurements Society New South Wales Chapter, entitled "Smart Sensors, Measurements and Instrumentation", was held on the 22nd November 22, 2017 at the Macquarie University campus in Sydney, Australia. The event was attended by 38 people.

The IEEE Instrumentation and Measurement society has supported the workshop technically and financially. The Macquarie University hosted the event.

Most of the attendees were students.

Professor Subhas Mukhopadhyay welcomed all attendees and thanked them for coming along to the workshop. He presented a promotional materials on I&M society and its activities, and also a short history of the IEEE IMS NSW Chapter.

The one-day workshop included one invited presentation and 16 regular presentations in different areas of sensors, measurements and instrumentation. The topics roused considerable interest in the audiences. Several useful interactions took place between attendees.

Overall, the workshop was very successful.



Introduction by Subhas Mukhopadhyay



Invited speaker Prof. Chandan Chanda, India



Certificate distribution

Inaugural meeting of Computational Intelligence chapter

The first gathering to celebrate of the establishment of new IEEE NSW Computational Intelligence chapter held on Friday 10 November 2017 at 4 pm in UTS in FEIT Seminar Room.

Around 30 CI members from different universities and industry attended.

It included an introduction by Prof Jie Lu (chapter chair) which highlighted the establishment process and the future working and business plan, and also introduced the CI members that were involved in the process. It also included a presentation by Helen Lu about Women in Engineering and IT, followed by a general introduction, discussions, suggestions, and interactions between members

Light food and refreshments were served. Here is a photo of most of the attendees.



Submitted by Adel Ali Al-Jumaily,
Associate Professor, School of Biomedical Engineering,
University of Technology Sydney

New and upgraded Members of the NSW branch of the IEEE

Fellows

The three new fellows have an article all to themselves on page 8 above, with a rather sparse explanation of how they earned to right to be elevated to fellow status.

Life Fellow

We don't seem to have any new Life Fellows

Senior Members

We have eighteen new (or upgraded) senior members.

Lionel	V	Ascone	Alberto	P	Avolio
Seyit	A	Camtepe	Rifai		Chai
Shiping		Chen	Sanjib		Choudhury
Stephen	G	Joyce	Georgios		Konstantinou
V		Kurusingal	Yiran		Ma
Galina	J	Mirzaeva	Luke		Murphy
Wing Kwan		Ng	Mahendra	Gunathilaka	Samarawickrama
Nabin		Sharma	Bill		Tocher
Yang		Yang	Guomin		Yang

IEEE Senior Membership is open to members who have been in professional practice for at least 10 years, with at least 5 years of significant performance. There is no requirement to have been involved in academic research or to have published papers or the like. There is no cost nor any additional on-going fees, and the NSW section gets an extra dollar out of the IEEE for every senior member.

Application for Senior Membership is via an on-line process and there is a requirement for three references from IEEE Senior Members. This can be a problem for some potential applicants, but the NSW executive committee will be happy to help hunt up potential referees. I got hunted up for Sanjib Choudhury's application - he looks after our e-mail notices. Georgios Konstantinou is now our vice-chair, which is prominent enough that I probably don't need to point it out.

Life Senior Members

We have four new (or upgraded) Life Senior Members.

J	T	Harvey	Alexand		Peniazev
Edward	J	Reynolds	John	A	Vipond

Members

We have eighty-two people who are new members or have been upgraded to member status.

Rana		Abbas	Robert	Abbas
Mohammad	Najam Liaquat	Ali	Flemming	Andersen
Wei		Bao	Sriram	Bhargav Madhav
Anna		Bruce	John	Cantrill
Bradley		Carden	Luis	Catarino
Kok Wai		Chan	Hon	Wah
Nicholas		Chetty	Phil	Cheng
Dean		Cutajar	Jovana	Cohen
Andrew		Edwards	Greg	Dunisijevic
Bill		Fulton	Mohideen	Abdul
Usman		Ghani	Jiajia	Guo
Ashley		Horne	Douglas	John
Md.Saiful		Islam	Marek	Jablonowski
Nader		Jafari	Wenjing	Jia
Bonney		Joseph	Christian	Kai
Andrew		Kennedy	Cat	M
Tongliang		Liu	Weiwei	Kutay
Hangyue		Liu	Arthur	Liu
Guozhen		Liu	Stuart	Alan
Qinghua		Lu	Wenjie	Loynes
Andrew		Lyon	Ian	R
Damian	Eduardo	Marelli	John	Charles
Pauline		Muscat	Andrew	Mudge
Sead		Nurkic	Tuale	Andrew
Ray		Palmer	Gavin	Omagba
Xiaobo		Qu	Timothy	James
Abubakar Sadiq		Sani	David	Daniel
Mostafa		Shabani	Yam	Prasad
Trevor	A	Smith	Stephanie	L
Roger		Sommers	Arcot	Smith
John	T	Spillane	Jeremy	James
Robert	Stephen	Terry	Sylvie	Swift
Ken		To	Jun	Thiebaux
Udaya	K	Tupakula	Jeroen	Tong
Sanjeevi		Vijayakumar	Chenxiao	Vendrig
Xun		Wang	Dongxiao	Wang
Peng		Wang	Dean	J
Peter		Wlodarczyk	KinWah	Wild
Xinzhi		Yan	Chang	Wong
Xiaotian		Yang	Wang	Yan
Yi		Zhang	Liang	Zhang
				Zhao

Graduate Student Members

We have 110 new graduate student members.

Yasmin Nigar		Abdul Rasheed		Martino		Adisuwono
Bilal		Akil		Mortada		Asaad Al-Banna
Hayat	Shahir	Al-Dmour		Alaa Mohammed		Al-kaysi
Muhammad		Ali		Syed Muhammad Nawazish		Ali
Muhammad	Johan	Alibasa		Tanvir		Anwar
Felipe		Arrano Vargas		Xin		Ba
Julie	Stephany	Berrio Perez		Arden Llewellyn		Burrell
Dinesh		Chaudhary		Muhammad Haris		Chaudhry
Huaming		Chen		Shu Lin		Chen
Zijing		Chen		Han		Chen
Daniel		Chen		Ziqi		Chen
Yongbo		Chen		Tian		Cheng
Guoyu		Chu		Tanmoy		Das Gupta
Hassan		Dehghani		Zewei		Ding
Muhammad		Emzir		Raphael		Falque
Majid		Farhangi		Hamidreza		Ferdowsi
Masoud		Fetanat		Long		Fu
Qishuo		Gao		John		Gardenier
Mina		Ghaffari		Sahand		Ghavidel
Ahmad		Golgir		Daniel		Hageman
Jacky		Han		Mahdi		Hassan
Waqas		Hassan		Kiran		Ijaz
Reenu	Tresa	Jacob		Titus Nanda Kumara		Jayarathna
Benjamin		Johnston		Anup		Kale
Md. Noman	Habib	Khan		Mst. Nishat Yasmin		Koli
Alexander	Andre	Kroh		Jianming		Kuang
Bibin		Kurian		James Ju Heon		Lee
Liyuan		Li		Chetna		Maan
Mohamed Atef	Ali Rajab	Madni		Dhawal Dilip		Mahajan
Franz	Thomas	Maier		Sukriti		Mantri
Nur Sabrina Binti		Md Noorpi		Nurul Izzah		Mohammad Afandi
Nabil Abduljalil Abdo		Mohammed		Ghulam		Mohy-ud-din
Duncan		Moss		Christopher		Natoli
Tran Huu Nguyen		Nguyen		Mohammad Sohrab Hasan		Nizami
Rafael		Oliveira		Yasmeen Naz		Panhwar
Sohaib		Rafique		Javad		Rezazadeh
Philipp		Rouast		Animesh		Sahoo
Gihan	Thilanka	Samarasinghe		Vivek		Sharma
Wei		Shen		Yan	Maraden	Sinaga
Tharmakulasingam		Sirojan		John Long		Soon
Naomi		Stringer		Luke Wicent		Sy
Omid		Tavallaie		Ronak Himanshubhai		Thaker
Viet	Thang	Tran		Ihsan		Ullah
Raju		Varghese		Alexander Joseph		Virgona
Dao		Vu		Thai Tien		Vu
Yifan		Wang		Zherui		Wang
Huogen		Wang		Clyde Robert		Webster
Zhiqiang		Wei		Haijie		Wen
Fredrik	Anders	Westling		Buddhi		Wickramasinghe

James	Wright	Kaihang	Wu
Yuqing	Yang	Xunxiang	Yao
Emily Wern Jien	Yap	Wenliang	Yin
Xiaolin	Zhang	Yueyuan	Zhang
Donghao	Zhang	Yanhao	Zhang
Bowen	Zheng	Junting	Zhu

Life Members

We have thirteen members who have moved into the life member category

Robin	R	Buckley	Martin		Friedgut
Noel	R	Godfrey	Timothy		Hesketh
Patrick		Kearney	Antal		Keur
Dilip	K	Khatri	Frances Y	K	Liu
Adrian	M	Ray	Stephen	M	Schuck
Michal	J	Tordon	Lawrence	K	Wong
Ronald	J	Wyber			

Affiliates

We have four new affiliate members

Dilek	Cetindamar	Stephen		Mehaffey
Harish	Ramachandran	Aaron	Julian	Saikovski

Associates

We have one new associate member

David	Butterworth
-------	-------------

Student Members

We have thirty-seven new student members.

Osei	Yaw	Adomako	Neil	William	Anderson
Fang		Bai	Harry		Cameron
Richard		Clements	Jonatan		Cooper
Dilini	Hansika	Darmawardana	Matthew	James	Dsouza
Karl		Fernandes	Shashank	Kumar	Gupta
Xiaoxi		Hou	Pushkar	Anand	Kadam
Shilpa		Kala	Baaskar		Kannan
Grant	Paul	Kelly	Natasha	Alessandra	Knopf
Wai Yi		Lau	Demetrius		Liang
Ben		Marks	Alex		McClung
Andrew		Muscat	David		Oxley
Jakob		Pallot	Aurey		Pullen
Rowan		Ramamurthy	Bir	Ravinder	Riar
Madelyn		Robertson	Bryce		Robilliard
Daniel	Robert	Selmes	Sinija Jose		Sinija Jose
Tommy		T	Benjamin	David	Taylor
Chaoran		Wang	Junzhe		Wang
Yu		Wu	Huan		Yu
Rong		Zhang			

Dr. Bruce Poon – e-mail adsphere@optusnet.com.au – extracted this data from the IEEE's SAMIEEE data-base, which isn't easy. Converting what comes out into alphabetically ordered lists of names grouped by grades is now a lot easier than it was, thanks to Bruce.





IEEE Limited Offer*

If you are a 3rd, 4th or a post-grad student in 2018**

The IEEE NSW Section will sponsor your student membership fee !

Instructions :

1. Go to www.ieee.org/join and register as Student Member.
2. Type in all your details. On the check-out process, press 'Print & Mail/Fax order' instead of 'Proceed to checkout'.
From the browser menu, print to PDF.

Ensure your postal address and contact details will be valid for the next 12 months or more. Instead of sending the form to IEEE HQ USA, please forward a PDF copy of this application (Name of the File: **your name-IEEE NSW student membership offer.pdf**) and a copy of your current student card (Name of the File: **your name.pdf**) to:

Dr Ali Hellany ----- IEEE NSW Student Activities Chair
Western Sydney University, School of Engineering
Locked Bag, 1797 Penrith South DC
NSW 1797, Australia
e-mail: a.hellany@uws.edu.au

cc Dr Bruce Poon ----- IEEE NSW Membership Development Chair
e-mail: bruce.poon@ieee.org

If you are students of the following universities, please cc a copy of your application to the student branch (SB) chairs :

1. Macquarie University SB Chair : Pouya Jamborsalamati (pouya.jamborsalamati@hdr.mq.edu.au)
2. University of New South Wales SB Chair : Jennifer Feng (Jennifer.feng@unsw.edu.au)
3. University of Technology Sydney SB Chair : Noman Haider (noman90@ieee.org)
4. University of Wollongong SB Chair : Alanna Vial (ahtv254@uowmail.edu.au)

* The number of free student memberships is **limited** and will be awarded on a first come first serve basis. This offer excludes membership to individual IEEE societies which may be purchased separately. This offer is available only to students located in New South Wales. The free student membership offer covers the first year of membership only. Offer not available to current IEEE student members. Deadline for submission is 4:00pm on the **31st of March 2018 or when quota is filled (whichever comes first)** and all applications will be processed from the beginning of April 2018.

** Please attach a copy of your current student card.

Circuit is currently provided electronically from the IEEE NSW Section web site

<http://sites.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 2018 please complete the form below:

Don't bother if you were already getting it by mail in 2017.

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

Building Business Assets

Suite 3, Level 1, 20 George Street Hornsby NSW 2077

Fax: 02 9987 2405 E: email@adamspluck.com.au