



The Institute of Electrical and Electronics Engineers, Inc.

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Secretariat

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IEEE NEW SOUTH WALES SECTION
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Editorial:

This is the seventh newsletter I've edited.

This one is being edited with a newly downloaded copy of the very latest version of Libre Office – 5.2.5.1 - 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.

The run-up to the IEEE Sections Congress at the International Convention Centre of Sydney in August has been limited to international telephone conferences so far - late Friday afternoon in New Jersey USA, and Saturday morning in Sydney with most of the discussion about the kinds of tourist jaunts to be offered. The process of dragging in volunteers hasn't yet got under way.

The fourteen other NSW members of the Instrumentation and Measurement Society may be more interested in the Sensing Technology Conference at Macquarie University in December – it's a real conference about useful electronics, but rather smaller. Tourist jaunts may still be on offer.

IEEE NSW Section 2017 Executive election

The IEEE NSW Section 2017 Executive committee is much the same as last year's. Dr Dushmantha Thalakatuna's first child meant that he didn't have enough spare time to carry on as secretary, and John Aitken, has generously agreed to take over the position.

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

Section Chair – Karu Esselle

Section Vice Chair – Ray Brown

Section Secretary – John Aitken

Section Treasurer – John Ypsilantis

Past Section Chair – David Tien

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>

Karu is still 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.

Joint Lecture Series

This year's joint lecture series kicks off on

Thursday 9th March 2017 with Prof. Dr. Subhas Chandra Mukhopadhyay talking about

IoT and WSN for Health and Home Manangement

and this is followed on

Thursday 23rd March 2017 with Dr. Hugh Outhred, Managing Direcftor of Ipen Pty. Ltd. on

Improving the National Electrity Market design in the light of recent experience

both lectures will be given at the Harricks Auditorium, 8 Thomas St., Chatswood NSW 2068

at 5:30 pm for a 6:00 pm start. Light refreshments will be provided prior to the presentations.

Chairmans Message

Welcome to 2017! Before we get to 2017 activities, I wish to thank all who contributed to the extremely successful organisation of 2016 AGM, and especially Bruce Poon who kindly filled in for Dr David Tien. To the best of my knowledge, which spans over two decades with IEEE New South Wales, this was the best attended IEEE NSW AGM. Let us try to make 2017 AGM even better. Hold on! There are several exciting events before we get there.

We held the first Section meeting recently and it was clear that 2017 will be an exciting year for IEEE members in NSW.

The IEEE Sections Congress will be held in the International Convention Centre of Sydney in August. The Sections Congress is a large event attended by over 1,000 IEEE volunteers and executives from nearly all IEEE sections around the world. Obviously this is a great opportunity to showcase engineering in NSW and Australia to the world.

Industry and universities should take note that a great range of sponsorship packages are available to let you highlight your engineering achievements there.

Just before the Sections Congress, NSW Section will host the 2017 IEEE Australia New Zealand Student Congress (ANZSCON) and the IEEE Region-10 50th Anniversary celebrations. The IEEE Panel of Conference Organizers (POCO) will also be in Sydney this year. Very recently we received the news that NSW Section has been selected to host 2018 TENSYPMP conference.

Please join me in congratulating Zhaoyang Dong, Stephen Hanly, Eduardo Nebot and Brett Ninness for their elevation to the IEEE Fellow grade in 2017.

Finally I wish to congratulate two NSW IEEE members, Ali Lalbakhsh and Muhammad U. Afzal who were very recently awarded the 3rd prize in 2016 IEEE Region 10 Postgraduate Paper Contest. This was an international “best research paper” contest held across the Asia-Pacific region last year.

Karu Esselle, FIEEE
NSW Section Chair



2017 NSW Section AGM and Annual Dinner

The NSW Section Annual General Meeting (AGM) was held at the Sydney Hilton Hotel on Thursday 17 November 2016.

The Chapter and Affinity Group AGM's started at 6:00pm and the Section AGM started at 7:00pm. More than 80 Members attended the NSW Section AGM.

Section Chair Prof Karu Esselle, FIEEE, opened the meeting and welcomed and thanked all those present, then gave the Section Chair's Report.

Highlights for the year included the successful bid for the 2017 Sections Congress and POCO to be held in Sydney, a bid to host ANZCON 2017 in Sydney, participation in Science Week, reactivation of the Young Professionals Affinity Group (Chair Raheel Hashmi), the IEEE Standards Forum (Olly D'Souza), the IEEE Fellows Event hosted by Business Events Sydney, the four new NSW Fellows (covered here separately), and the formation of a Women In Engineering Student Affinity Group at Macquarie University – with another planned at the University of Technology Sydney.

Karu congratulated Eddie Fong for winning the R10 Outstanding Volunteer Award, the Macquarie University Student Branch for winning 2nd place in the Australia Council Best Student Branch Contest, and the Wollongong Uni Student Branch for getting a special mention. In addition congratulations were extended to Sasha Nikolic and the Education Chapter for being awarded the Education Society 2016 Outstanding Chapter Achievement Award.

Karu also congratulated Ray Brown on being elected as IEEE Australia Council Treasurer for 2017/2018.

The Treasurer's Report was presented by Dr John Ypsilantis. He informed the meeting that the Section's finances are in a healthy state and have been topped up by contributions from the ICC 2014 and ICPDM 2015 Conferences. Dr Ypsilantis also thanked past treasurers Bill Sloman and Mark O'Mally for their work and assistance.

PES Chair Ray Brown announced the PES Outstanding Engineer of the year Award winner, PES Past Chair, Professor Trevor Blackburn.

The 2017 NSW Section Executive Committee has had only one change (as covered earlier).

The Australia Council elections returned the following as the 2017-2018 Committee:

Chair:	Dr Zia Ahmed
Vice Chair:	Dr Andre Oboler
Secretary:	TBA
Treasurer:	Ray Brown
Past Chair:	Prof Tapan Saha



Sherry Moghadassi accepting Gift from Mr Bill Ebzery IIICA on behalf of Olly D'Suza and AGM Assembly at the Sydney Hilton



Several Chapter and Affinity group officers addressed the meeting including Associate Professor Lyria Bennet Moses(SSIT), Professor Ren Ping Liu (VTS), Dr Raheel Hashmi(YP), Sherry Moghadassi(COM/SP/OE), Ray Brown(PES) and Syed Abbas(AP/MTT). Asanga Jayawardanna(UOW SB) and Saad Hassan(MU SB) also told the meeting about their activities during 2016.

I would like to congratulate both Student Branches for their excellent work during the year and their excellent reports. The reports from the University of Wollongong Student Branch and the Power and Energy Student Chapter were particularly well done.

During the meeting Sherry Moghadassi announced that Dr Brian Ferguson NSW Oceanic Engineering Society leader had been awarded the 2016 Minister's Award for Achievement in Defence Science. I wish to congratulate Dr Ferguson for this well earned recognition and thank him for his contributions to the IEEE Oceanic Engineering Society. For more details of the award see

<https://www.dst.defence.gov.au/news/2016/11/10/sonar-and-acoustics-expert-wins-science-award>

Ray Brown announced the 2016 Power and Energy Society Outstanding Engineer was Professor Trevor Blackburn, chair of the Joint Institutes Lecture Series. Many thanks to Professor Blackburn for all his good work and we have high hopes of Colin Elston, who will be replacing him as the IEEE NSW member on the Joint Institute Lecture Series Committee.

In closing the Section 2016 Annual General Meeting the Chair thanked outgoing volunteers and congratulated the 2017 Officers.

After the meeting the members and the guests made their way to the Machiavelli Italian Restaurant in Clarence St Sydney for the Annual Dinner. The function was attended by more than 120 Members and Guests and concluded about 11:00pm.

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

has more photographs.

Submitted by Tony Zaglas



IEEE Fellows - Class of 2017 Members of NSW Section

This years new fellows are

Professor Zhao Yang (Joe) Dong

The University of Sydney

For contributions to development of computational methods for power system stability and planning.

Professor Joe Dong is Head of School of Electrical and Information Engineering and Director of Sydney Energy Internet Research Institute, The University of Sydney.



Professor Stephen V. Hanly

Macquarie University

For contributions to capacity analysis and optimization of wireless communication networks

Professor Stephen Hanly occupies the CSIRO-Macquarie University chair in Wireless Communications at MacQuarie University



Professor Eduardo M. Nebot

Sydney University

For contributions to robotics and applications in vehicle navigation and mining

Professor Eduardo Nebot occupies the Patrick Chair in Automation and Logistics and is the Director, of the Australian Centre for Field Robotics in the School of Aerospace, Mechanical and Mechatronic Engineering.



Professor Brett M. Ninness

University of Newcastle

For contributions to computational methods in system identification

Professor Brett Ninness is the Pro Vice-Chancellor for the Faculty of Engineering and Built Environment (Electrical and Computer Engineering) at the University of Newcastle.



SSIT – Society for the Social Implications of Technology

The Australian Chapter of the Society for the Social Implications of Technology (SSIT) is working to make a reality of the IEEE's motto "Advancing Technology *for Humanity*".

In our view, it isn't only a question of what we *can* do technically but also a question of understanding social impact and promoting innovation that solves broader problems.

We are passionate about what we do, organising technical meetings on a range of topics from the impacts of data collection and analysis (for privacy, discrimination and personal autonomy), to legal and regulatory issues around autonomous vehicles to the benefits of new health technologies.

We encourage everyone with similar passions to join SSIT when they renew their IEEE membership. We held our annual AGM on 6 February 2017 and are pleased to announce our 2017 committee:

Chair:	Lyria Bennett Moses
Vice Chair	Kieran Tranter
Secretary/Treasurer	John Lewis
Communications	Tony Nolan
NSW Coordinator	Shared between Lyria/ Tony
VIC Coordinator	Kelly Hutchinson
QLD Coordinator	Samuli Haataja
Int'l Coordinator	Greg Adamson
Consultant/s	Michael Rigby, Michael Arnold, Narelle Clark

If anyone is interested in joining us, or keeping up with SSIT events, please contact me at lyria@unsw.edu.au.

Lyria Bennett Moses, Chair, SSIT Australia



Sydney University Conversazione 2016

Sydney University Conversazione 2016 IEEE NSW Section Committee Members Graham Town, Olly D'Souza and Tony Zaglas represented the NSW Section at the Sydney University 2016 Conversazione on 26 October 2016.

Conversazione showcases the work done by students and researchers at Sydney University and was held at the Seymour Centre.

The 2016 Conversazione was very well attended with a large number of projects on display. In addition there were several paper presentations by selected students, all of which were of excellent quality. A short description and areas of research on display, as well as a short video, is also available at

<http://sydney.edu.au/engineering/industry/conversazione/index.shtml>

Photos are posted at <http://sydney.edu.au/engineering/industry/conversazione/2016/gallery.shtml>

Three Minute Presentations included;

Zibin Chen(School of Aeronautical, Mechanical and Mechatronic Engineering) - What if you have 100 times more data storage?

John Gardenier(Faculty of Engineering & Information Technologies) - Robotic Perception for Precision Livestock Farming: Automatic lameness detection

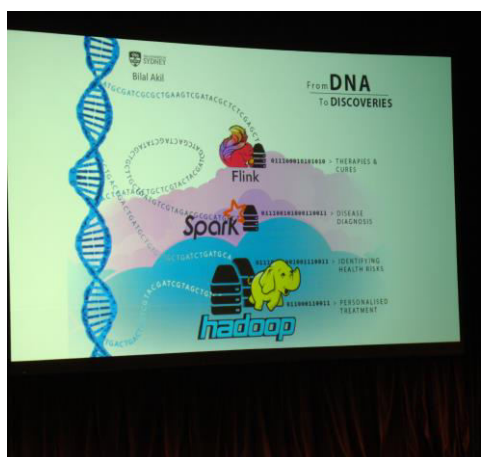
Annabelle Chan(School of Aeronautical, Mechanical and Mechatronic Engineering)

- Back to the Future: Towards Patient Specific Spine Implants

Bilal Akil(School of Information Technologies) - From DNA to Discoveries

Daisy(Jiada) Wu((School of Chemical and Biomolecular Engineering - Fight Herpes with Abalones

Colleen O'Connor, Brian O'Callaghan, Britt Hendricks – Inspiring Leadership at the United Nations



contributed by Tony Zaglas

Sydney University Student Research Conference 2017

The 2017 Student Research Conference was held in the Abercrombie Building on 22 February 2017.

IEEE NSW Section was represented by Bruce Poon, Colin Elston and Tony Zaglas. Bruce and Colin also participated in the Judging of the presentations.

Welcome address and opening Remarks were by Assoc. Professor Javid Atai, Associate Dean (Research Education).

In addition there was a keynote address by Professor Fariba Dehghani, a panel session and a Poster Competition.

The IEEE Sponsored two \$500 prizes, one for best presentation from the School of Electrical and Information Engineering and one for the School of Information Technologies. In addition to the prizes the winners were presented with certificates from Sydney University and will also receive free IEEE Student memberships for 2017 and Certificates from the IEEE NSW Section.

Other Schools participating included Civil, Chemical & Biomolecular and Aerospace, Mechanical & Mechatronic Engineering.

The IEEE NSW Section Prize winners were:

From the School of Electrical and Information Engineering: Zahra Rahimpour
Title : Using Thermal Inertia of Buildings with Phase Change Material for Demand Response

From the School of Information Technologies: Pradeeba Sridar
Title : Automated Framework for Foetal Biometry from 2D Ultrasound Images

The overall Presentation winner was Peter Newman from the School of Aerospace, Mechanical & Mechatronic Engineering and the title of his Presentation was: Bioprinting multivariate hydrogels for bottom-up fabrication of cellular environments.

The winner of the Poster Competition was Robert Webster for his poster on Narrow-Beam Optical Communications in Underwater Wireless Network with Passive Node Mobility.



Group photo of prize-winners with A/Prof. Javid Atai



Bruce Poon giving Zahra Rahmipour her certificate



Anthony Zaglas gives Pradeeba Sridar her certificate

After the paper presentations there was a panel session;

Academia meets Industry: Global & Local Perspectives – What does innovation mean today?

Moderator: Assoc. Professor Ben Thornber

Panel: Tinlok Pang – Lead Scientist at Canva
 Professor Ron Johnston – Executive Director of the Australian Centre for Innovation (ACIIC)
 James Alexander - Co-founder and Manager at INCUBA

Contributed by Tony Zaglas



IEEE Region 10 Power and Energy Society Meetings

Power and Energy region 10 Chapter Chair Meeting

In November 2016, Ray Brown (2016 NSW PES Chapter Chair) and Georgios Konstantinou (2016 NSW PES Chapter Vice-Chair), together with 34 representatives from 22 other Chapters of Region 10, attended the PES Region 10 Chapter Chair Meeting which was followed by a half-day Chapter Chair Training Session.

The meeting took place together with the 2016 IEEE Innovative Smart Grid Technologies (ISGT Asia 2016) conference in Melbourne.

A topic of interest during the discussions was the Scholarships Plus Initiative which recognizes highly qualified electrical engineering undergraduate students with multi-year scholarships.

Due to the requirements and structure, most of the Australian Chapters expressed concerns about how such an initiative might work effectively in Australia.

An update on the initiative can be found here:

<http://sites.ieee.org/pes-enews/2017/02/28/ieee-pes-scholarship-plus-initiative-update-22/>



Upcoming IEEE PES Conferences in Region 10:

The following two conferences will be organised by IEEE Power and Energy Society in Region 10:

APPEEC 2017, which will take place in Bangalore, India from the 8th to the 11th of November

(<http://ieeepesbangalore.org/index.php/2016/07/04/appeec-2017/>)

and ISGT Asia 2017, which will take place in Auckland, New Zealand from the 4th to the 7th of December

(<http://sites.ieee.org/isgt-asia-2017/>)

Free Student Membership

IEEE Student Members who have not previously been Power & Energy Society members can join for free for the first year. This offer will be open until August .
More details are available at:

<http://www.ieee-pes.org/pes-communities/membership-grades/student-members>

IEEE PowerCon 2016 in Wollongong

The IEEE Powercon took place late last October in Wollongong.

A total of 262 papers with authors from 42 countries were scheduled for presentation in oral and poster sessions.

Keynote speakers included

Dr. Miroslav M. Begovic from Texas A&M and

Prof. Yi Dong of Zhejiang University.

The conference was co-Sponsored by IEEE Power & Energy Society (PES) and Chinese Society of Electrical Engineers (CSEE).

Georgios Konstantinou



ICST'17

11th International Conference on

Sensing Technology

Dec. 4 to 6, 2017, Sydney, Australia

Call for Papers

Macquarie University, Australia is pleased to announce that the 11th International Conference on Sensing Technology (ICST 2017) will be held on December 4 to 6, 2017 in Sydney, Australia. ICST 2017 is intended to provide a common forum for researchers, scientists, engineers and practitioners throughout the world to present their latest research findings, ideas, developments and applications in the area of sensing technology. ICST 2017 will include keynote addresses by eminent scientists as well as special, regular and poster sessions. All papers will be **peer reviewed** on the basis of a full length manuscript and acceptance will be based on quality, originality and relevance. Accepted papers will be published in the conference proceedings with an IFFI catalog number and ISBN number. **The proceedings will be submitted for possible publication in IEEE Xplore and indexing by IFIP.** Topics will include, but are not limited to, the

1. Vision Sensing
2. Sensors Signal Processing
3. Sensors and Actuators
4. Sensors Phenomena and Modelling
5. Sensors Characterization
6. Smart Sensors and Sensor Fusion
7. Electromagnetic Sensors
8. Chemical and Gas Sensors
9. Physical Sensors
10. Electronic Nose Technology
11. Biological Sensors
12. Electro-optic Sensors and
13. Mechanical sensors (inertial, pressure, and tactile)
14. Nano Sensors
15. Acoustic, Noise and Vibration
16. Wireless Sensors and WSN
17. Body Area Network
18. Internet of Things (IoT)
19. Security and Reliability of WSN
20. Optical Sensors (radiation sensors, photoelectronic/photonic sensors, and fibres)
21. Lab-on chip
22. Sensor Arrays
23. Intelligent sensing
24. Telemetering
25. Online monitoring
26. Applications of Sensors (automotive, medical, environmental monitoring, earthquake life detection, high speed impact, consumer, alarm and security, military, nautical, aeronautical and space sensor systems, robotics, and automation)
27. Solid State Sensors
28. Sensors for high energy physics applications
29. Particle accelerators and detectors
30. Internet-based and other Remote Data Acquisition
31. Education using sensors

Paper Submission

Authors are invited to submit the full manuscript (4 to 6 pages including references) of their technical paper for oral or poster presentation. Papers in pdf format may be uploaded via the web using FDAS paper management system at

The MS Word and pdf template will be available on the conference website. Final manuscripts are limited to six (6) A4 size pages.

In submitting a paper, the author(s) agree that upon acceptance, they will prepare the final manuscript in time for inclusion in the published proceedings and will present the paper at the conference. The final manuscript will not be published without advance registration.

Special Sessions

ICST 2017 solicits special session proposals. The special sessions are intended to stimulate in-depth process for their session papers. The conference proceedings will include all papers from the special sessions. **Authors contributing to special sessions are required to register for the conference.** Please contact the general chair if you would like to organize a special session.

For further details, please contact: **Subhas Mukhopadhyay** Subhas.Mukhopadhyay@mq.edu.au

Web site: <http://www.cvent.com/d/nvabb>

Organized by Macquarie University, Sydney, Australia

Manuscript Submission	* June 2017
Acceptance Notification	* August 2017
Camera Ready Submission	* September 2017
Advance Registration	* September 2017

Technical sponsors:



Financial sponsor:

IEEE NSW (Aus) Sec



New and upgraded Members of the NSW branch of the IEEE

Fellows

The new fellows have an article all to themselves on page 7 above, with a rather sparse explanation of how they earned to right to be elevated to fellow status.

Life Fellow

We have five new life fellows

John	W	Archer	David	J	Skellern
Victor		Solo	Branka	S	Vucetic
Neil	H	Weste			

Senior Members

We have six new (or upgraded) senior members.

Gunilla	E	Burrowes	Wei		Li
Luis	E	Martinez	Stephen	J	Redmond
Shamus	P	Smith	Peter		Stepien

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 to act as a referee for Shamus Smith

Life Senior Members

We have eight new (or upgraded) Life Senior Member.

Alex		Baith	Robin	M	Braun
Colin	G	Elston	Douglas	J	Follett
Ashok		Manglick	Harry	A	Schnapp
Jennifer	^	Seberry	Matthew	C	Young

Colin Elston is a familiar face on the committee who serves as the secretary of the Life Members Affinity group, and will take over from Trevor Blackburn to look after our part of the Joint Lecture program.

Members

We have forty-eight people who are new members or have been upgraded to member status.

Roba		Abbas		Mohamed Khaled	Abu Mahmoud
Hasen		Ali		Ali Tugberk	Bekri
Oleg		Beskov		Md. Shakil	Bhuiyan
Michael	H	Biber		Karen L	Blackmore
Jonjon		Bonso		Chris	Browne
Andrew		Budihardjo		Fahd Mirza	Chughtai
Terry	Douglas	Cocks		John	Daniels
Chaminka		De Silva		Wei	Fu
Ronelle		Geldenhuis		Jeffrey Mclin	Gelin
Tobin	Charles	Harding		Md Delwar	Hossain
Zhonghao		Hu		Venus	Izadi
Jatinder		Kumar		Young Choon	Lee
Shaowu		Liu		Nariman	Mahdavi
Tarun		Malviya		Stephen	Marshall
Philippa		Morley		Mohamad	Nassereddine
Keith	V	Nesbitt		Catherine	Nicholson
Khan		Nishiyama		Aibek S	Niyetkaliyev
Jones		Olatunji		Josiah	Poon
Simon		Rachowski		Harish	Ramachandran
Rishi		Ramakrishnan		Gianluca	Ranzi
Jay		Rath		Chris	Shaw
Sonja		Stuedli		Dhanushka	Suriya Arachchi
Asghar		Tabatabaei Balaei		Robbie	Thompson
Md.	Vatankhah	Varnoosfad		Guandong	Xu

Life Members

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

Peter	S	Burns	Brian	E	Donaldson
Neil	S	Finlayson	Maurice		Linker
John	A	Lush	C	J	Skinner
Gorden	R	Smith	C	J	Yorke

Graduate Student Members

We have 80 new graduate student members.

Sherif	Mosad	Abdelfattah	Abdollah	Ahmadi
Wael	Yousef	Alghamdi	Ahsan	Ali
Kanchana		Amarasekara	Akash	Arora
Janindu		Arukoda	Md. Zeeshan	Baig
Bikram	Pratap	Banerjee	Mahmuda	Begum
Wing	Yan (Victor)	Chu	Zhongli	Dong
Manqing		Dong	Dave	Durbin
Mehdi		Garmroodi	Samir	Gautam
Mohsen		Ghaffarpour Jahromi	Rashid	Ghorbani Afkhami
Liang		Gong	Huong	Ha

Ali	Haidar	Saad Sajid	Hashmi
Jason	Hodges	Xiaoshui	Huang
Chaoran	Huang	Marwa Farouk	Ibrahim
Kashif	Islam	Bushra	Ismaiel
Chitra	Javali	Muhammad	Kashif
Nabil Nazir	Khan	Seokhyeon	Kim
Arslan	Kiyani	Mst. Nishat Yasmin	Koli
Maria	Kovaleva	Ruiwei	Li
Lina	Li	Feng	Liu
M A Parvez	Mahmud	Natalia	Mclean
Chathurika Prasadini	Mediwaththe	Nurhakimah	Mohd Mukhtar
Milad	Momayyezhan	Sayidul	Morsalin
Naila	Mukhtar	Anindya	Nag
Xiaodong	Ning	Tilachan	Pokhrel
Feng	Qiao	Md. Tausif Afzal	Rana
Muhammad	Rana	William	Reid
Girish Shivalingappa	Revadigar	Javad	Rezazadeh
Pierce	Rixon	Michael	Robinson
Michael G.	Ruppert	Mosin	Russell
Hyun-Ju	Ryu	Ahsan	Saadat
Nirzhar	Saha	Eliane	Saliba
Karam	Sallam	Steve	Sam
Antonio P.	Santos	Shashank S	Shetty
Shreya	Singh	Robert Michael	Stephenson
Kevin Weichen	Sun	Omid	Tayefeh Ghalehbeygi
Karthick	Thiyagarajan	Md. Tanvir Ishtaique	ul Huque
Abu R	Ullah	AlannaHeather Therese Vial	
Yucheng	Wang	Kalani Wataraka	Gamage
Troy	Wilson	Xiang	Zhang
Shuai	Zhang	Muming	Zhao

Affiliates

We have seven new affiliate members

Sutharsan	Arunthavanathan	Edmund	Balnaves
Peter Wellesley	Dulhunty	Dr Marina	Samokhina
Darren	So	Sylvie	Thiebaux

Associates

We have one new associate member

Helen	Bentham
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Student Members

We have thirty-one new student members.

Carlos Antonio Alonso		Bartesaghi Koc	Jeremy	Francis	Bell
Anthony		Byrne	Xianze		Cao
Xiaojing		Chen	Nafiz		Chowdury
Max		Fisher	Lewis		Hamilton
Michael	Kevin	Haughey	Jintao		Hu
Sahdia		Hussain	Nathanael		Hutchison
Angus		Keatinge	Yang		Lin
Peter	Rayhan	Mendis	Peter	Maneshan	Mendis
Christopher		Natoli	Obaidur		Rahman
Umair		Rehman	Bir	Ravinder	Riar
Mahmud	K M	Shahid	Ye		Shi
Jiadong		Sun	Calwin		Tang
Faisel		Tubbal	Elizabeth		Wang
Nethini	Thilanga	Weerathunge	Udaya	P	Wijesinghe
Tom		Wyatt	Haimei		Xu
Wilmer	Hao Ting	Yan			

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 2017**

The IEEE NSW Section will sponsor

your student membership fee !

Instructions

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

Ensure that your postal address and contact details will be valid for at least the next 12 months.

Instead of sending the form to the IEEE HQ in the USA, please forward a PDF copy of this application - name of the file: **your name-IEEE NSW student membership offer.pdf** - and a (scanned) copy of your current student card - name of the file: **your name.pdf**.

to Dr. Ali Hellany, Chair of IEEE NSW Student Activities,
Western Sydney University, School of Engineering
Locked Bag 1797 Penrith, NSW 2751, Australian

e-mail: a.hellany@westernSydney.edu.au

If you are a student of the following universities, please cc a copy of your application to the relevant Student Branch (SB) chairs.

1. Macquarie University SB Chair : Arslan Kiyani arslan.kiyani@students.mq.edu.au
2. University of Technology Sydney SB Chair : Meriam Gay Bautista meriamgay.bautista@uts.edu.au
3. University of Wollongong SB Chair : Asanga Jayawardana hpapj953@uowmail.edu.au
4. Western Sydney University SB Chair : Mahmoud Elkhodr M.Elkhodr@westernsydney.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 2017 or when quota is filled (whichever comes first)** and all applications will be processed from the beginning of April 2016.

.** 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/newsletter/>

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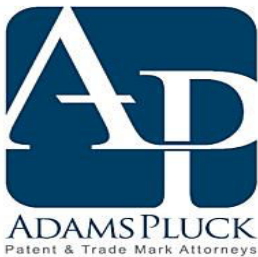
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