



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 ninth newsletter I've edited.

We've got a real election this year, with two candidates for the position of chairman. Vice-chair, secretary and treasurer have only got a single candidate each, so there isn't any choice there.

Use your vote wisely, and come to the Annual General Meeting to find out how it came out.

The secretary has been voted serious money for refreshments at the annual general meeting (even before the dinner), so do allow yourselves to be bribed into attending.

IEEE NSW Section Chair

Sasha Nikolic, MIEEE

Biography

Sasha Nikolic received the B.E. (telecommunications) in 2001 and PhD in Engineering Education in 2017 from the University of Wollongong, Wollongong, Australia. He spent several years in industry (retail, electronics manufacturing and IT) then in 2006 commenced as Laboratory Manager, involved in improving and developing the teaching laboratories and sessional teaching staff with the University of Wollongong. In 2014, he became an Associate Lecturer in engineering education and in 2016 a Lecturer. Dr Nikolic became Chair of the NSW Chapter of the IEEE Education Society in 2014. He won a university Outstanding Contribution to Teaching and Learning Award in 2011. In 2012, he was awarded a Citation for Outstanding Contributions to Student Learning as part of the Australian Awards for University Teaching. In 2016, he also received awards for his contribution to engineering education through the IEEE, AAE and ASCILITE.

IEEE Activities

Sasha joined the IEEE in 2014 becoming a senior member in 2015. In June 2014, he became Chair of the NSW Chapter of the Education Society. During his time as Chair, his team has increased membership by over 90% and in 2016 won the IEEE Education Society Chapter Achievement Award. In 2014, he also became Student Branch Councillor for the University of Wollongong helping to resurrect a non-active branch; since then the branch has received two commendations in the Australia Council Student Branch Awards. In 2015, he was selected as a candidate for a Board of Governors position within the Education Society. He was treasurer for IEEE POWERCON 2016 and on the steering committee for ANZSCON2017; both highly successful events. In 2017, he became the Australia Council Student Activities Chair. Sasha now seeks to build upon these successes and continue the transformation of the NSW Section into a world leader.

Position Statement

My greatest weakness and strength is the fact that I have a limited history with the IEEE. If you are looking for a Section Chair that is fully aware of the history, protocols and hierarchy of the IEEE then I am not your candidate. If you are looking for a candidate that: questions why things are the way they are; who has the energy to engage with the IEEE members of tomorrow (student and young professional); will integrate the sections diverse communities; and is prepared to introduce and reach out with a range of technologies, then I am your candidate.

Stefan Mozar, FIEEE

Biography

My engineering degrees are from the University of NSW, and Okayama University, Japan. I have an MBA from UTS. I work as an independent consultant, and as Adjunct Professor (Guangdong University of Technology, China). I have taught at a number of Asian, Australian and British Universities. My work has resulted in inventions, patents, publications, and book chapters.

IEEE Experience:

I have served in the Singapore, Hong Kong, and NSW Sections. I served as Chapter Chair, Vice Chair, & Treasurer for several Chapters. I also established new chapters in Singapore and NSW. In NSW I served on Communications, Computer Society, and am the EMBS Chair. I initiated the formation of the NSW CE Chapter.

I prepared the winning bid to bring Tencon-Spring conference (2013) and Tensymp (2018) to Sydney. I was an IEEE Society President (2013-2014), VP for International affairs, and VP Conferences at the society level. I am in elected Society positions (Board of Governors) for about 20 years.

I served as an elected member of the conferences committee. I chaired global ad-hoc committees on conference naming, and finance. I served on the Panel of Conference Organizers (POCO), and on the 2013 Technical Activities ad-hoc committee on Global Perspectives.

I was the only member from NSW invited to serve on the 2017 Sections Congress that was held in Sydney this year. I am serving on the IEEE Region 10 (Asia Pacific) executive committee (2016 to 2018).

Awards for volunteering (I have received many other awards):

- *2015 Region 10 Outstanding Volunteer Award*
- *2015 & 2009 Consumer Electronics Society Outstanding Service Award*
- *2000 IEEE Millennium Medal*

Position Statement

My goal is to make the IEEE more relevant to its members. I will provide more activities that are of interest to practitioners, and activities for Women (WIE), Life Members, and Young Professionals. I will create more opportunities for members to network, and opportunities for soft skills development, and for involvement in Standard activities. My experience at the global level in IEEE has taught me how to leverage the IEEE for the benefit of our NSW members. As section chair I would also reach out to the IEEE Australia Council and Engineers Australia to bring more benefits to NSW IEEE members. I helped bring IEEE and Engineers Australia together to sign a MOU of cooperation. I have actively supported many members to be elevated to Senior Member, and Fellow.

Nomination for IEEE NSW Vice-Chair – Georgios Konstantinou

Biography

Georgios Konstantinou (S'08-M'11) received the B.Eng. degree in electrical and computer engineering from the Aristotle University of Thessaloniki, Thessaloniki, Greece, in 2007 and the Ph.D. degree in electrical engineering from UNSW Sydney (The University of New South Wales), Australia, in 2012. From 2012 to 2015 he was a Research Associate at UNSW Sydney.

He is currently a Lecturer with the School of Electrical Engineering and Telecommunications at UNSW and an Australian Research Council (ARC) Early Career Research Fellow. His main research interests include hybrid and modular multilevel converters, power electronics for HVDC and energy storage applications, pulse width modulation and selective harmonic elimination techniques for power electronics. He is an Associate Editor for IEEE Transactions on Power Electronics and IET Power Electronics.

IEEE Activities

He is currently the Chair of the NSW Power & Energy Society and has been on the board of the society for the last 4 years as a Vice-Chair, Secretary and Treasurer. He is also an Associate Editor for IEEE Transactions on Power Electronics.

Position Statement

As I Vice-Chair I would like to put effort into fully activating all student chapters in NSW Universities and support student activities and student participation, help create more value in the student membership and increase retention for graduating students. I will work with the organising committee to see a successful TENSYP 2018 with a strong technical and social program and deliver value to all members.

Nomination for NSW IEEE secretary 2018 – John Aitken (current secretary)

Biography

John Aitken is a consulting engineer with a broadcasting, railway systems and EMC background. He has designed and commissioned many broadcasting and communication systems throughout Australia and is active in the electromagnetic compatibility area.

Much of John's work has been in the railway industry, particularly in railway communication systems and the EMC aspects of locomotives, stations and railway signalling.

John has been an expert witness in several matters, some involving EMC and others related to railway communication.

John is the author of Australian Standard AS 7660 Rail Network Control Mobile Communication Systems and was a development group member for AS 7722 EMC Management. He is a trainer and assessor for Competency Australia and a qualified practitioner and trainer in the application of the international Engineering Safety Management Handbook ([iESM](#)).

IEEE

John is active in the profession: he is currently Secretary of the NSW Section of the IEEE and had previously been editor of CIRCUIIT for two years. John participates in the TSSP activities and was the founding chair of the NSW EMC Chapter of the IEEE.

Position Statement

The NSW Section of the IEEE is very active and has achieved excellent results over the last year. In my role as secretary I have sought to facilitate efficient meetings of the Section Committee, removing the backlog of agenda items. I will continue to encourage transparency and accountability in the committee, with proper process being followed for each committee decision.

Nomination for NSW IEEE treasurer 2018 – Ray Brown

Biography

Ray Brown runs his own consultancy in power engineering and has a BE and BSc from the University of NSW.

IEEE

Ray has been a member of the IEEE for 26 years and is presently a Senior Member, Vice Chair of the NSW Section, Treasurer of the IEEE Australia Council, immediate past Chair of the NSW Chapter of the Power & Energy Society and was treasurer for the successful IEEE ICPADM 2015 conference held in Sydney. He is also the Local Lead Co-ordinator for the International Registration Project, looking at the corporate structure of the IEEE in Australia.

Position Statement

If elected IEEE NSW Section Treasurer, my primary aims would be to maintain the branch on a firm financial footing and to continue the current practice of providing clear reporting of the finances.

All provided by Greg Andrews, Nominations and Appointments Chair, with some help from the candidates.

Voting

Welcome to the NSW Section Officers for 2018 Election! I would like to take this opportunity to personally express my sincere appreciation for you being an IEEE member!

Our duty and responsibility is to ensure that your voting rights are protected and you are confident that your vote is accurately cast and tabulated. We will utilize the [vTools.Voting](#) system for our elections. Please log in to vote in the election.

People who get Circuit on paper will get a paper ballot form with their paper copy of the newsletter, and may post it in to an address given on the ballot form.

Voting will start from **16 Oct 2017 12:00am** and close at **10 Nov 2017 11:59pm**.

Please select one candidate for each position or specify a write-in candidate.

Please don't hesitate to contact me at bruce.poon@ieee.org if you have a question, comment, or complaint regarding your voting experience.

Thank you for voting – your vote counts!

Dr Bruce Poon

Membership Development Chair, IEEE NSW Section

IEEE NSW Section 2017 AGM and Dinner

The annual general meeting of the IEEE NSW Section is always popular and very well attended. Whether this is due to the stimulating company, the encouraging and interesting reports and speeches or the dinner that follows, we have never determined!

The 2017 AGM will be held on Thu 16 Nov 2017 at the Mitchell Theatre at the Sydney Mechanics School of Arts, at 280 Pitt Street in the heart of Sydney. It will be preceded by Chapter AGMs for those involved and there will be some canapés to keep the energy levels up before the meeting.

6:00 pm **Power & Energy Society (PES)** Chapter Annual Meeting
Woolley Room, 1st Floor 280 Pitt Street, Sydney.

6:00 pm **Antennas & Propagation /Microwave Theory and Techniques (A&P/MTT)**
Chapter Annual General Meeting
Lawson Room. 1st Floor 280 Pitt Street, Sydney.

6:00 pm Life Members Meeting
Mitchell Theatre. 1st Floor 280 Pitt Street, Sydney.

Drinks and canapés will be served before the AGM.

6:45 pm **IEEE NSW Section Annual General Meeting**
Mitchell Theatre 1st Floor 280 Pitt Street, Sydney

8 pm **Dinner at Braza Brazilian Restaurant**
Darling Harbour
Yes, it is free! The cost of the dinner is paid by IEEE NSW Section.
You only need pay for drinks.

Please fill in the RSVP form on the following page so we can cater for you at the AGM and Dinner.

Elections

The results of the election of officers will be announced at the AGM.

For those who don't show up at the event, after having given written notification that they would, \$80 per person will be charged to the credit card number given on the notification.

Reservation Form for IEEE NSW Section AGM & Dinner 2017

Name: Attending: AGM

Dinner..... (Yes/No as applicable) Vegetarian: (Yes/No as applicable) Tel:

e-mail: Membership No.:

Partner Attending: (Yes/No as applicable)

Partner's Name: Attending: AGM

Dinner..... (Yes/No as applicable) Vegetarian: (Yes/No as applicable)

Name on the Credit Card: *

Credit Card No.: Credit Card Expire Date:

(*This will be used if you don't show up at the restaurant – we have to pay in advance for each guest expected, even if they don't show up to eat)

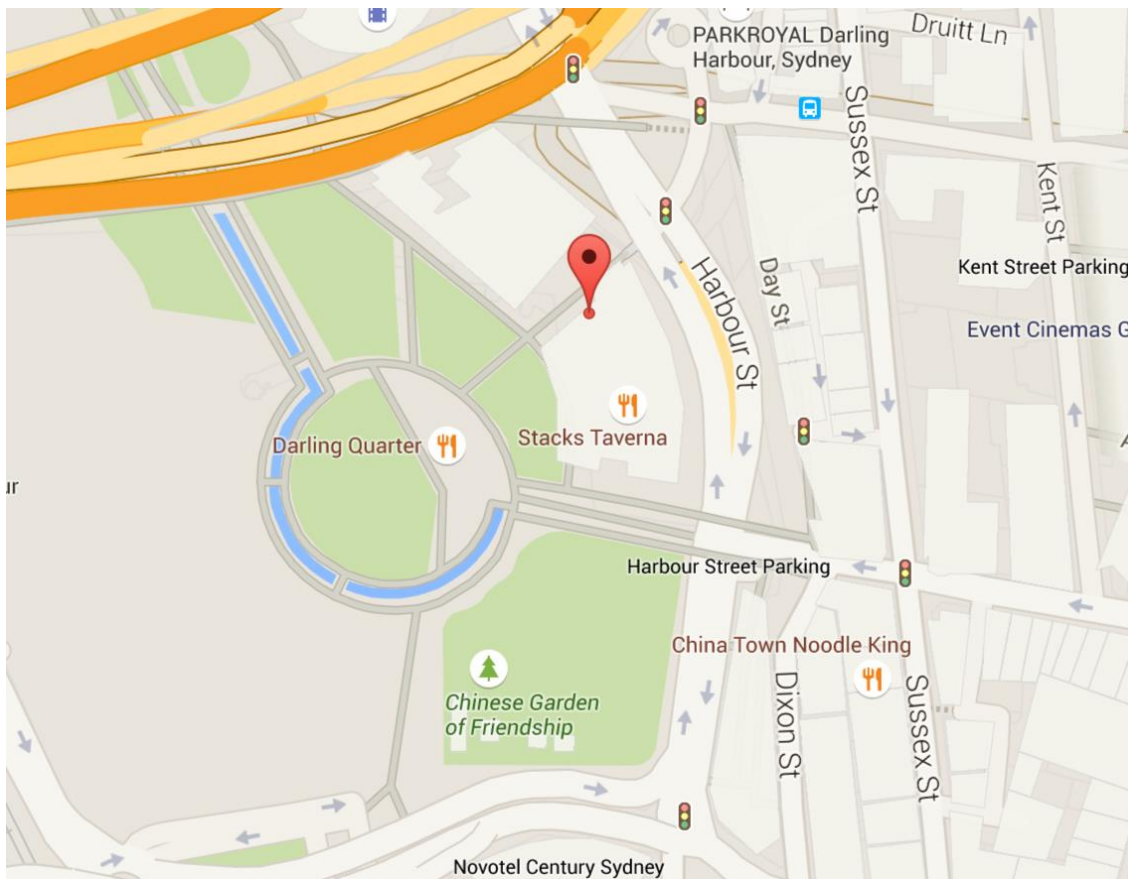
Please return the reservation form to Bruce Poon (Membership Development Chair)

Via email : bruce.poon@ieee.org OR

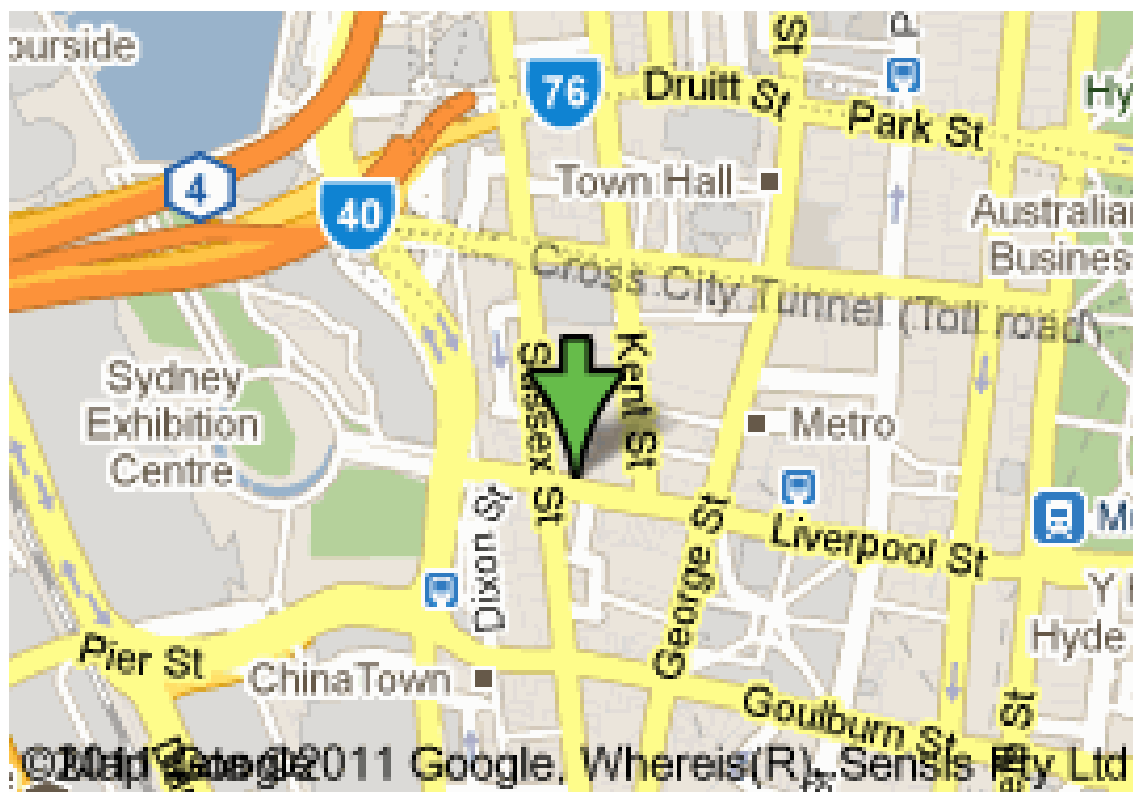
Via post : PO Box 418 Seven Hills, NSW, 1730 OR

Via fax : (02) 9621 8684

Map: Braza, 1-25 Harbour St, Darling Harbour



Map: Car Parking



IEEE IMS NSW Chapter, Sydney, Workshop on *Smart Sensors, Instrumentation and Measurements*

Date: November 22, 2017

Venue: Macquarie University, Sydney, Australia

Purpose: The IEEE Instrumentation and Measurement Society New South Wales Chapter would like to encourage researchers, scientists, engineers and practitioners to discuss and present their latest research findings, ideas, developments and applications in the area of Sensors, Instrumentation and Measurement Technologies and their applications in all areas of engineering.

The workshop entitled *Smart Sensors Measurements and Instrumentation* is intended to provide a common forum for interested people to hear about and discuss research undertaken by their fellow colleagues.

Objective: Sensors and instrumentation is core to today's Engineering curricula, being strongly cross-disciplinary and hence provides an ideal subject for today's environmentally-aware students, and a forum for them to receive and contribute up-to-date knowledge of applications, technology and solutions. There is also a need for interactions among researchers, scientists, engineers and practitioners to discuss their research findings and activities. In the regular sessions there will be an opportunity for participants to present their research works.

Schedule: A tentative schedule is as follows:

10:00 – 10:20 Tea

10:20 – 10:30 Opening remarks

10:30 – 12:00 pm – Session 1

12:00pm to 1:00pm – Lunch (Committee meeting)

1:00pm to 2:30 pm – Session 2

2:30pm to 3:00pm – Tea

3:00 pm to 4:30pm – Session 3

4:30 – 4:45 – Closing remarks.

Registration: Free

Deadline of title and abstract (a few lines): 15th November 2017

Please send your title and abstract to Afsari Manesh (afsarimanesh1@studnets.mq.edu.au)

For more information, please contact:

Dr. Subhas Chandra Mukhopadhyay, Chair, IEEE IMS NSW Chapter,

Email: Subhas.Mukhopadhyay@mq.edu.au

T: +61 2 9850 6510; F: +61 2 9850 9128; M: + 61 4 2147 4818

This workshop was originally scheduled for the 25th September, but had to be deferred due to unforeseen circumstances.

NSW PES Distinguished Lecture – 15 August 2017

The Power & Energy Society of NSW held its first Distinguished Lecture for 2017 on the 14th of September 2017 at UNSW Sydney. The Distinguished Lecture, presented by Wanda Reder of S&C Electric focused on reliability developments in distribution networks and the growing role of microgrids in the future network. The Distinguished Lecture was well attended with more than 50 participants.



PES & WIE Event - A conversation with Wanda Reder

The NSW IEEE Women in Engineering AG and Power & Energy Society hosted a discussion between Wanda Reder of S&C Electric and members of the Women in Engineering and the UNSW's Women in Electrical Engineering and Telecommunications (TWEET). Participants had the opportunity to discuss with an accomplished female engineer the difficulties, challenges and opportunities that women face within the Engineering discipline.



IEEE NSW PES technically co-sponsors the 2017 CIGRE CIDER

The 2017 Conference on Integration of Distributed Energy Resources (CIDER) organised by CIGRE and technically co-sponsored by the IEEE NSW Power and Energy Society took place in Sydney on the 15th and 16th of August. The two-day event, attended by more than 100 participants, from industry and academia across Australia, was a great opportunity to share experiences, challenges and ongoing work in the field of distributed energy resources and renewables as well as current developments in energy storage and electric vehicles. The keynote speech of the conference was presented by CEO of Networks Australia, Mr. John Bradley and addressed the current challenges that Australia faces with its current electricity network being in transition. We would also like to acknowledge the efforts of Ray Brown, vice-chair of the NSW PES in the technical co-sponsorship of the event.



A reminder that the IEEE Power & Energy Society Elections is open until the second of October. If you are a voting member of the PES please consider voting at: <https://www.ieee-pes.org/2017-pes-elections>

Georgios Konstantinou



JILS (Joint Institutions' lecture series)

JILS lectures are presented at

Harricks Auditorium, Engineers Australia, 8 Thomas St., Chatswood 2068 (Next to Chatswood Railway Station)

Starting at 6pm concluding about 7pm with refreshments from 5.30pm.

Usually on 2nd and 4th Thursday of the months of February through November, subject to the availability of the venue or public holidays.

All IEEE members are encouraged to attend.

There is no charge for the lectures.

A committee with members from IEEE, IET and EA organise the lectures.

The committee is currently planning the lecture topics and themes for 2018 and would appreciate suggestions. Any offers to present lectures will be considered.

It is expected that next year that at least the overheads and audio will be available for later replay from an internet site.

Comments and suggestions, including those about the location and timing of the lectures, would also be appreciated.

The dates of lectures for the rest of the year are:-

12 October, 26 October, 9 November and 30 November.

The details of each lecture will be given in an e-notice that is sent to members.

Colin Elston

(talbingo@optusnet.com.au)

IEEE Co-ordinator of Professional Development.

IEEE Masaru Ibuka Consumer Electronics Award

John O'Sullivan, David Skellern, and Terence Percival

For their pioneering contributions to high-speed wireless LAN technology

The award is sponsored by Sony Corporation and recognizes outstanding contributions in the field of consumer electronics technology.

The award is named in honour of Dr. Masaru Ibuka, Honorary Chairman and Co-Founder of Sony Corporation, whose innovative achievements and leadership have been an inspiration to several generations of electrical, electronics, and computer engineers.

This year, we are indeed fortunate to be able to honour John O'Sullivan, David Skellern, and Terence Percival as recipients of the 2017 IEEE Masaru Ibuka Consumer Electronics Award "for their pioneering contributions to high-speed wireless LAN technology."

An IEEE Senior member, John O'Sullivan is a retired physicist and electrical engineer. An IEEE Life Fellow, David Skellern is chairman of Capital Markets CRC Limited in Sydney, Australia. And Terence Percival is a retired electrical engineer and director of Broadband and the Digital Economy, NICTA, in Northbridge, Australia.

The efforts of John O'Sullivan, David Skellern, and Terence Percival in developing and commercializing high-speed Wi-Fi provided the milestone technology for practically all in-home and local area mobile Internet communications.

Dr. O'Sullivan initiated and led the early efforts in techniques for very high-speed wireless networks at Australia's Commonwealth Scientific and Industrial Research Organization (CSIRO).

Dr. Percival took over and led the CSIRO project that modelled and prototyped the high-speed modulation schemes and hardware needed for successful Wi-Fi communications.

Working in conjunction with CSIRO, Professor Skellern led a pioneering project on wireless local area networks at Macquarie University and in 1997 co-founded, with Dr. Percival and Neil Weste, Radiata Communications to commercialize the CSIRO-Macquarie research. Dr. O'Sullivan joined Radiata in 1999. In 2000, Radiata demonstrated the first working Wi-Fi system based on the IEEE 802.11a 5-GHz standard.

WiFi is pervasive in all areas of wireless communications and is now deployed in an estimated 71% of all mobile communications in the United States. There were nearly 50 million WiFi hotspots by the end of 2014 and 240 million are predicted by the end of 2018. WiFi is already used in some Internet of Things applications and will be increasingly used in the future as power consumptions drop and overall transmitter efficiency rises.

It is true to say most users worldwide connecting to the internet use some kind of Wi-Fi. It is a fundamental part of modern life, affecting billions of people worldwide daily.

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picked up by Colin Elston, as his as part of his brief to look after Professional Activities.

SSIT – Society for the Social Implications of Technology

SSIT Australia had a busy August, hosting the International Symposium on Technology and Society (ISTAS 2017) in Sydney. The broad theme "From Good Ideas to Practical Solutions" was addressed through a broad variety of presentations dealing with topics such as trust and technology, women empowerment, the impact of automation on work, programming robots to deceive, autonomous weapons, science diplomacy, smart cities, dangerous algorithms, identity theft and technologies for healthcare. We are grateful for technical support from the NSW section and for all of the volunteers who made this exciting event possible.

The President of SSIT, Paul Cunningham, also gave a series of distinguished lectures around the time of the Conference, describing his work in mHealth4Africa and the importance of ensuring that technical interventions in resource constrained environments were ethical and collaborative. The talk emphasised the benefits of co-design, consultation and awareness of socio-cultural differences.

During the conference dinner, NSW Section Member, Professor Katina Michael, was awarded the Society's Brian M O'Connell Distinguished Service Award on 10 August for her role as Editor in Chief of the IEEE Technology and Society Magazine, a role she has held since 2012. During Professor Michael's tenure, the size of the publication has increased dramatically, and the content has continued to develop into a rich mix of scholarly refereed content, and excellent shorter articles accessible to a general audience. The Magazine received the Society for Technical Communications Award of Distinction for Editorial Excellence in 2016. In her acceptance speech, Professor Michael thanked everyone who had contributed to the Magazine throughout its history and acknowledged the legacy of Brian M. O'Connell, a past SSIT president who made great contributions to the work of the Society who died in 2008 at the age of 47.

SSIT continues to develop a range of activities that explore the ethics and social implications of technology, ensuring that IEEE fulfils its mission of advancing technology FOR HUMANITY. We very much hope that all NSW Section members will consider joining us when they renew their registration. Membership of SSIT is open to ALL members of IEEE and it doesn't add much to the cost. By becoming a member of SSIT, you can help shape the conversation around appropriate development and use of new technologies. And you can read our fabulous magazine!

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



New and upgraded Members of the NSW branch of the IEEE

Fellows and Life Fellows

There are no new fellows or life fellows to report in this issue of Circuit

Life Senior Members

There are no new (or upgraded) Life Senior Members.

Senior Members

We have six new (or up-graded) senior members. Professor Longbing Cao is the chair of the NSW chapter of the Systems, Man and Cybernetics Society.

Jeffrey	P	Armitstead	Eryk	Dutkiewicz
Stuart	G	Hay	Shahid	Mian
Stephen	J	Phillips	Harish	Rajagopal

Members

We have two hundred and fifty-four people who are new members or have been upgraded to member status.

Rana		Abbas	Khandakar	Shamita	Afrin
Dimitrios		Agiakatsikas	Azam	Ahmad	Bakir
Ahmad	Shabir	Ahmadyar	Alina	Rakhi	Ajayan
Mortada	Asaad	Al-Banna	Hayat	Shahir	Al-Dmour
Alaa	Mohammed	Al-kaysi	Hassan	Abduljabbr	Al-shanawah
Wael	Yousef	Alghamdi	Nour		Aljabali
Belal	Saeed	Alsinglawi	Pasindu	Dissan	Aluthwala
Kanchana		Amarasekara	William		Andrew
Tanvir		Anwar	Akash		Arora
Behzad		Asadi	Mohsen		Asadnia
Andrew	J	Aupek	Hamdan		Awan
Marina	Adel	Ayad	Affan	Aziz	Baba
Darren	Marc	Bagnall	Kamini	Simi	Bajaj
David		Bandi	Audri		Biswas
Braham		Bloom	David		Boehm
Anthony	Julius	Borla	Bishoy		Botros
Mounir		Boudali	Ross	Donald	Bowden
Richard		Buckland	Niras		Cheekottu-Vayalil
Zhechao		Cai	Matthew	John	Cameron
Simon		Cartan	Sudipta		Chakraborty
Akrit		Chand	Yingying		Chen
Jeff	C	Chen	Hon	Wah	Cheng
Hao-Chung		Cheng	Hyuntae		Choi
Chee	Mun	Chong	Md Wasique	Islam	Chowdhury
Nafiz		Chowdury	Michael	Alexander	Christie
Richard		Clements	Matthew		Collins
Andrew	James	Cook	Vernon		D'Souza

Mathieu		David	Michael		de Ridder
Andrew	John	Dedoncker	Mrinmoy	Ranjan	Dhar
Can		Ding	Michael	H	Drewry
Zheyuan		Du	Homa		Edalatifard
Muhammad		Emzir	Jeremy	Paul	Every
Raphael		Falque	Joel		Ferguson
David		Ford	Gilad		Francis
Alexander		Fuerbach	Krishna	Bharatkumar	Gandhi
Navjot	S	Garcha	Mehdi		Garmroodi
Mohsen		Ghaffarpour Jahromi	Paritosh		Giri
Luke		Godden	Emanuel		Gomes
Craig		Gorman	David		Grenet
Stephen	C	Guy	Vic		H
Huong		Ha	Navid		Haghdadi
Firas		Hamdan	Edward		Hancock
Yilun		He	Kevin		He
Rashid	Hameed	Hejeejo	Hemin	Anto	Henry Mini
Jason		Hodges	Michael	John	Horton
Md.	Selim	Hossain	Mohammad	Sazzad	Hossain
Steven		Howell	Jintao		Hu
Shaoli		Huang	Zhaocheng		Huang
Marwa	Farouk	Ibrahim	Aamir		Iqbal
Mohd	Noor	Islam	Chitra		Javali
Devaka		Jayawardana	Peter	Royden	Jenkins
Jitendra		Jonnagaddala	Shilpa		Kala
Anup		Kale	Nabil	Nazir	Khan
Hyong Sik		Kim	Seokhyeon		Kim
Gerold		Kloos	Geoff		Knagge
Jonathan	Charles	Knott	Mst. Nishat Yasmin		Koli
Weicong		Kong	Alihusain	Mahammadali	Kugashiya
Abhishek		Kumar	Zhangsheng		Li
Gaoqi		Liang	Wan	Yin	Lim
Jake		Linnenbank	Bryan		Liu
Junwei		Liu	Anjin		Liu
Haoyi		Liu	Hadi		Lomei
Shen		Lu	Shenqi		Lu
Rui		Ma	Mohamed Atef	Ali Rajab	Madni
Budhaditya		Majumdar	Lachlan		Maloney
Angel	G	Maluyo	Mohammad Anwarul		Mamun
David		Marpaung	Christopher		Martinu
Ali		Marzoughi	Andrew		McLaren
Klane		Mcilwain	Paul	J	Mcmahon
Thomas		Meggitt	Peter	Maneshan	Mendis
Alexander	Damion	Milliken	Jonathan		Mitchell
Nurul Izzah		Mohammad Afandi	Thushanthan		Mohanarajah
Brendan	R	Moss	Yucen		Nan
Christopher		Natoli	Muhammad Tariq		Nazir
Duy	Trong	Ngo	Scott		OBrien
Peter	Ike	Onuchukwu	Jonathan	Clive	Palmer
David		Patrech	Shaun		Pereira
Daniel		Petrov	Thuy	Thi	Pham

Life Members

We have no members who have moved into the life member category to report in this issue of Circuit

Graduate Student Members

We have one hundred and thirty-nine new graduate student members.

Hasini	Viranga	Abeywickrama	Shoaib	Akram
Firas	Qais	Al-Doghman	Ahmed	Alghamdi
Jose		Almeida	Theyab Rashed	Alsenani
B M	Ruhul	Amin	Saeed	Amirgholipour
Muhammad	Waqas	Arif	Anusuya	Arunan
Ghada		Bani Musa	Mahmoud Gamal Ahmed	Bekhit
Mina	Benyamin	Benyamin	Maharshi	Biswas
Gregorius	Satia	Budhi	Maryam	Butt
Cong		Cao	Thomas Lawrence	Chaffey
Haodong		Chang	Ting-Yao	Chang
Yu-Cheng		Chang	Huaming	Chen
Kaixuan		Chen	Tian	Cheng
Suen Xin		Chew	Nazim Ahmed	Choudhury
Matthew	Daniel	Christie	James	Coyte
Mahdieh		Dashtbani moghari	Xiaofei	Dong
Jacob		Donley	Yali	Du
Parinya		Ekparinya	Mohsen	Eskandari
Qingri		Fan	Kun	Fang
Sara		Farahmandian	Shahjadi Hisan	Farjana
Amin		Faro	Edstan	Fernandez
Mitch	William	Green	Jinpeng	Gu
Chand Siva	Leela Krishna	Gudi	Ashanie	Gunathillake
Kairui		Guo	Nicholas Christian	Gurieff
Tuan Vinh		Ha	Maryam	Haghighat
Tingting		He	Mingjian	He
Van Truong	Truong	Hoang	Sayed Amir	Hoseini
Hieu Danh		Huynh	William Ferrer	Infante
Mojtaba		Jabbari Ghadi	Mohammed Ahmed	Jaddoa
Mosarrat		Jahan	Saadullah	Kalwar
Shahabodin		Khadivizand	Muhammad Usman	Khan
Naveed	Aziz	Khan	Ammara Anjum	Khan
Richardo		Khonasty	Akshada Umesh	Lalaye
Sinh	Cong	Lam	Ngoc Thuy	Le
Tuyen	Anh	Le	Cedric	Le Gentil
Michael		Levkovsky Mateus	Yinan	Li
Caoyuan		Li	Nian	Li
Shuang		Li	Yiyang	Li
Sining		Liu	Shibo	Lu
Yuezhu		Lu	Dong	Ma
Bo		Ma	Leon K	Macdonald
Andri		Mahendra	Peter	Mekhail
Madhuvanthi		Muralidharan	Hina	Naaz
Abdullah	Al	Nahid	Akhil	Nanganath

Aaron	Thomas	Pereira	Tu	Ngoc Pham
Hanieh		Poostchi	Noushin	Poursafar
Cokorda	Rai Adi	Pramartha	Bilal	Qadir
Haoran		Qiang	Arman	Imtiyaz
Zahra		Rahimpour	Md	Lushanur
Sumyea		Sabrin	Mahdi	Saki
Abubakar	Sadiq	Sani	Abu	Sadat Md.
Mohammad		Seydali Seyf Abad	Qi	Shao
Yucheng		Sheng	Tomoyuki	Shiozaki
Kaustubh	Dinesh	Shirodkar	Khushboo	Singh
Jingwei		Song	Yiliao	Song
Neethu		Sreenivasan	Hrishikesh	Srinivas
Fouad		Sukkar	Haihan	Sun
Marie	Joshua	Tapas	Zain	Tariq
Venkata Sai	Kuthsav	Thattai	Joel	Daniel
Kha	Anh	Vo	Phong	Hoang Nhat
Thai	Tien	Vu	Tung	Thanh
Harshana	Sameera	Lekamge	Walawwe	Lekamalage
Shangbo		Wang	Dong	Wang
Yubing		Wang	Jianqing	Wu
Tian		Xia	Lingyu	Yan
Yi		Yang	Qi	Yao
Allen		Zang	Yuheng	Zeng
Jianwei		Zhang	Junjie	Zhang
Jian		Zhang	Diwei	Zhang
Shiyun		Zhao	Qianru	Zhao
Wei		Zhou	Shanshan	Zhou

Affiliate Members

We have seven new affiliate members

Geoff		Baird	Adrian	Bingham
Arthur	L	Kemp	Thomas	Morstyn
Stefano		Picozzi	Joseph	Barry yo sik
Danyi		Zhu		Prinable

Associate Members

We have seven new associate members

Rodney	Albert	Berry	Rafael	Cabral	Carvalho
Torstein		Holth	David	R	Jeffery
Yuxiang		Sun	Elizabeth		Wang
Yi		Zhang			

Student Members

We have fifty-six new student members.

Rakyan		Satrya Adhikara	Juthamas	Apornwichanop
Stefan		Asmus	Adam	Bainey
Storm		Bartlett	Nicholas James	Berriman
Matt		Bigelow	Rhiannon	Bolton
Nhat	Duy	Bui	Duc Thien	Bui
Yihua		Cai	Lexie	Condon
Trung	Quang	Dang	Xueyu	Deng
Dipankar		Dey	Jennifer	Feng
Yunhao		Fu	Jizhao	Gao
Quan	Huy	Ha	Syed Kamran	Hasan
Ryan		Hopson	Chris	Howell
Anh Minh		Le	Zhijin	Liang
Qian		Liu	Robyn	Liu
Sajjad		Mahmoudi	Amir	Marashi
Robert	Owen	McDonald	Fadhil Abbas Bin	Mohamad Zain
Mai	Ngoc	Nguyen	Tran Hoang Phu	Nguyen
Tran Hoang Minh		Nguyen	Minh Quang	Nguyen
Cordelia		O'Hea	Jakob	Pallot
Rhiannon		Pauling	Grace Yan	Peng
Lei		Qiu	Muhammad	Saqib
Dipixa		Sharma	Paul William	Simmons
Condor		Stojanovic	Kibar	Suicmez
Daniel	Yuan	Sun	Lincheng	Sun
Jie		Tang	Aaron	Tootell
Dan	Linh	Tran	Diego Felipe	Ulloa
James	Anthony	Unicomb	Vaughan Anthony	Van Heerden
Veronica		Vigneswaran	Cameron	Walters
Jack		Wooldridge	Jiangchao	Yao

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.



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