



The Institute of Electrical and Electronics Engineers, Inc.

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*Secretariat*

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

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

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

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**Editorial:** This is the fourth newsletter I've edited.

This one is being edited with newly downloaded copy of the very latest version of Libre Office - 5.0.5,2 - 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.

This newsletter introduces the new executive committee, and Karu's message – as our new chairman - officially announces that Sydney has been recently selected as the venue for 2017 IEEE Section Congress, which is going to be a huge event, with lots of opportunities for local volunteers to donate their time to making it work.

## IEEE NSW Section 2016 Executive election

The IEEE NSW Section 2016 Executive election was conducted using the electronic vTools voting system. The results of the election were announced at the 2015 AGM on 20 November 2015 and are as follows:

Section Chair - Prof Karu Esselle

Section Vice Chair – Ray Brown

Section Secretary – Dr Dushmantha Thalakatuna

Section Treasurer – Dr John Ypsilantis

Past Section Chair: Dr David Tien

Assistant Secretary – Colin Elston

Assistant Treasurer – Bill Sloman

The voter participation was about 6% of the qualified voters, this being up on 2014(3.8%). I would like to ask all Members to assist the Section and their Chapters by participating in all future elections. Doing so raises our profile and helps provide a voice in Region 10 and IEEE.

The Australia Council Officers remain the same as 2015 and can be seen at

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

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

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

The Nominations Committee comprised John L Robinson Chair, Bruce Poon Member & Returning Officer, Trevor Bird Member, Graeme Gwilliam Past Chair and Antony Zaglas Assisting,

I would like to congratulate the winners and thank all outgoing officers for their contributions and service.

I would again like to ask members to please consider Nominating for service on the Section Committee as well as for elected office.

**John Robinson** [jl.robinson@ieee.org](mailto:jl.robinson@ieee.org)

**Chair Nominations, NSW Section**



## New Chairmans Message

Welcome to 2016! First of all I wish to thank immediate past chair Dr David Tien for his dedicated service to the IEEE NSW Section as the chair for 2014 and 2015. I welcome Mr Ray Brown to the section executive as 2016 Vice Chair. My appreciation also extends to Dr John Ypsilantis (Treasurer), Dr Dushmantha Thalakituna (Secretary) and all the others who have volunteered to continue their service to IEEE NSW members in the various section, chapter, student and affinity positions.

This is an exciting year for IEEE NSW. Due to the great efforts of several volunteers and the organisation Business Events Sydney, Sydney has been selected recently as the venue for 2017 IEEE Section Congress. Section Congress is a huge event attended by executives of all IEEE sections around the world, and many other volunteers. This is a great opportunity to showcase Engineering (in NSW and Australia) to the world and most of the planning and preparations of the event will start this year. In addition, there will be many technical activities in NSW including IEEE-sponsored conferences, workshops and lectures.

I expect NSW student activities to continue to grow in 2016. IEEE NSW Section will continue to sponsor free student membership for eligible students this year. With the expected appointment of a new chair for the Young Professional (former GOLD) activities, events will be held to strengthen networking among young engineers in NSW. I expect the same from the Women in Engineering affinity group this year.

I am open to suggestions from members who may be interested in becoming involved with humanitarian technology activities through IEEE. With a few volunteers, we can form a SIGHT group within the section and request funds directly from IEEE for proposed humanitarian activities in Australia or overseas.

(For further information see

[http://www.ieee.org/special\\_interest\\_group\\_on\\_humanitarian\\_technology.html](http://www.ieee.org/special_interest_group_on_humanitarian_technology.html)).

Another item on my wish list is to create more opportunities for our members to meet and interact with IEEE Fellows in NSW. Don't forget that the every member of the NSW committee is always open to suggestions on how to improve our service to IEEE NSW members.

I look forward to meeting you at an IEEE or joint event, as well as at the IEEE Annual General Meeting towards the end of the year.

Karu Esselle

IEEE Fellow

NSW Section Chair



# IEEE SSIT (Society on Social Implications of Technology)

Our chapter had a very exciting 2015 with events in Sydney, Melbourne and Brisbane.

In Sydney, we hosted a talk on National Security and Remotely Piloted Aircraft Systems (aka “drones”) in April and co-hosted two events in December – a panel on “We’re all Data Now: What Big Data Could Mean for Law and Policy” broadcast on Future Tense on Radio National

(<http://www.abc.net.au/radionational/programs/futuretense/we%E2%80%99re-all-data-now:-what-big-data-could-mean-for-law-&-policy/6988048>)

and a workshop on Health and Engineering.

IEEE NSW and SSIT member, John Lewis, also represented us at ISTAS (International Symposium on Technology and Society) in Ireland.

We are hoping that 2016 will be similarly fruitful. If you are interested in the social implications around the technologies you design and use, please check out our website

(<http://ieeessit.org/chapters/australia/>),

join our email list (contact [ssit.australia@gmail.com](mailto:ssit.australia@gmail.com)), follow us on twitter (@ssit\_au) or join our LinkedIn group. If you would like to get involved in SSIT, please email Michael Rigby (Secretary) on [ssit.australia@gmail.com](mailto:ssit.australia@gmail.com), or get in touch with one of our committee members:

**Chair:** Lyria Bennett Moses, Associate Professor in the Faculty of Law, University of New South Wales (UNSW) Australia

**Vice Chair:** Kieran Tranter, Associate Professor at Griffith Law School

**Immediate Past Chair and International Co-ordinator:** Philip Hall, Principal Fellow, The University of Melbourne

**Secretary/Treasurer:** Michael Rigby, PhD graduate, The University of Melbourne

**Communications:** Tony Nolan, Risk Intelligence and Analytics Analyst, ATO

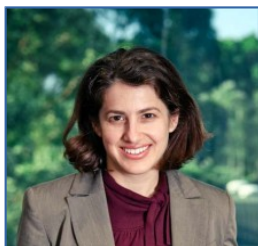
**NSW Coordinator:** John Lewis, PhD Candidate, University of New South Wales (UNSW) Australia

**QLD Coordinator:** Samuli Haataja, PhD Candidate, Griffith Law School

**VIC Coordinator:** Kelly Hutchinson, PhD Candidate, University of Melbourne

**Consultant:** Greg Adamson, President IEEE-SSIT

Contributed by Lyria Bennett Moses, Associate Professor in the Faculty of Law, University of New South Wales (UNSW), Australia



## **2015 NSW Section AGM and Annual Dinner**

The NSW Section Annual General Meeting (AGM) was held at the Sydney Hilton Hotel on Friday 20 November 2015. The meeting room, nibbles and refreshments were provided free of charge by the Hilton. I would like to echo the remarks made by Section chair Dr David Tien and thank the Hilton and Staff for their generosity – there had been an IEEE meeting there earlier in the year, and they seem to have been expressing their gratitude for our part in getting them that business.

Chapter and Affinity Group AGM's started at 6:00pm and the Section AGM started at 7:00pm. More than 50 Members attended the NSW Section AGM.

The AGM was opened by Section Chair Dr David Tien who welcomed and thanked all those present and presented the Section Chair's Report.

Closing the AGM Section Chair Dr David Tien thanked outgoing volunteers and congratulated 2016 Officers.



***Tony Zaglas AGM MC addressing AGM and Announcing Election Results***

Submitted by Tony Zaglas  
AEW Committee Member







### ***David Tien Presenting Chairman's Report***

At the conclusion of the AGM Members and Guests made their way to the Braza Brazilian Restaurant in Harbour St Darling Harbour for the Annual Dinner. The function was attended by more than 70 Members and Guests and concluded about 11:00pm.

<http://sites.ieee.org/nsw/upcoming-events/gallery/> has more photographs, but we did like this one.



## Sydney University 2015 Post Graduate Research Conference

IEEE NSW Section was again a major sponsor of the Sydney University 2015 Post Graduate Research Conference, this being the seventh. Bruce Poon and Joe Mok represented the NSW IEEE and formed part of the judging panel of the presentations to the Schools of Electrical and Information Engineering (EIE) and Information Technologies (IT).

The prize winners were Ms Aroba Khan from School of EIE [ 2<sup>nd</sup> year in a row ] – with her paper “Moving Relays in Cellular Networks” and Mr Lie Ming Tang from School of IT – with his paper “Improving student physical activity through personal trackers”. The judges considered both the student’s research output and the quality of the 15 minute presentation.

The two winners were invited to our AGM and Annual Dinner to receive their Certificates and Prizes and Ms Aroba Khan was able to attend to be presented her Certificate and Prize by Membership Development Chair Mr Bruce Poon. This sponsorship is part of our effort to promote the IEEE and recruit new and promising young students..



Membership Development Chair  
Mr Bruce Poon and winner from School of IT,  
Mr.Lie Ming Tang.



Membership Development Chair Mr Bruce Poon  
and winner from the School of EIE  
Ms Aroba Khan

## IEEE Technologies of the Future 2015

The IEEE Technologies of the Future (iToF) Competition and Exhibition was held at the University of New South Wales on 29 October 2015. Entry was open to students from all Universities in NSW. Prizes were awarded(\$500) for each category.

Event sponsors included Westpac, UNSW Engineering, DOLBY, CSIRO, NICTA, Edugate and the IEEE NSW Section.

### CATEGORY 1: NETWORKING, CLOUD COMPUTING & SECURITY(6 submissions)

Winner: Samaneh Movassaghi, David Smith and Arash Shaghaghi (Self-Charging, Self-Organizing, Self-less Wearables)

### CATEGORY 2: MODELLING & SIMULATIONS(6 submissions)

Winner: Thein Moe Win, Timothy Hesketh and Raymond Eaton

(Simmechanics-Visualized Tower Crane Modeling and Nonlinear Swing Minimization Control using LQR-Disturbance Rejection Observer.)

### CATEGORY 3: SIGNAL PROCESSING, IMAGING AND EMBEDDED SYSTEMS (5 poster and 2 demonstration submissions)

Demonstration Winner: Banafsheh Pazokifard, Arcot Sowmya and Daniel Moses

(Automatic 3D Extraction of Pleural Plaques and Diffuse Pleural Thickening from Lung MDCT Images)

Poster Winner: Sara Khalifa, Mahbub Hassan and Aruna Seneviratne  
(Tracking Activities from Body's Kinetic Energy: Enabling Battery-less Wearables)

Poster Winner: Solomon Freer, Stephanie Simmons, Juan Pablo Dehollain and Andrea Morello Solomon  
(Quantum memory in a single nucleus in silicon)

The Keynote was delivered by the Head of Innovation at Westpac Group, Ian R. Hill. The topic was Lifecycle of Innovation in the short, medium and long-term

On behalf of the IEEE NSW Section I would like to congratulate the winners and wish them all the best for the future.

I would also like to thank all the Sponsors and Judges who contributed valuable resources and time.

Finally I would like to congratulate and thank the Wael Alghamdi and the entire UNSW IEEE Student Branch Committee for the excellent organisation of the event and their hard work.

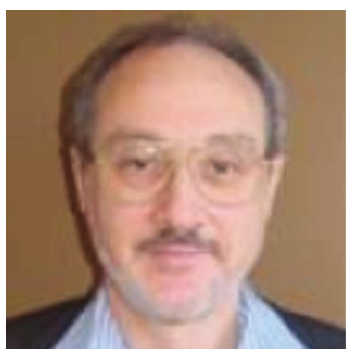
More info <http://cgi.cse.unsw.edu.au/~ieee/itof2015/>





More photos at [https://www.dropbox.com/sh/l5itebupeen5hgp/AADCni\\_b-eQecs2-0ArlsvUea?dl=0](https://www.dropbox.com/sh/l5itebupeen5hgp/AADCni_b-eQecs2-0ArlsvUea?dl=0)  
Click on the “to publish” option to see them all. It takes a moment or so before they download.

Tony Zaglas  
Chair Awards and Recognition, NSW Section



## IEEE Fellows - Class of 2016      Members of NSW Section

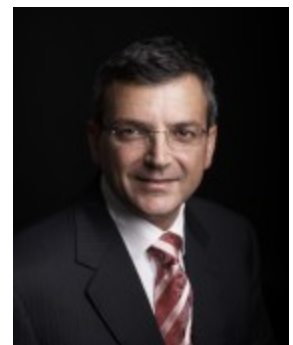
The following members of the NSW Section were elevated to Fellow of the IEEE as of 1 January 2016.

The IEEE Grade of Fellow is conferred by the IEEE Board of Directors upon a person with an outstanding record of accomplishments in any of the IEEE fields of interest. The total number selected in any one year cannot exceed one-tenth of one- percent of the total voting membership. IEEE Fellow is the highest grade of membership and is recognized by the technical community as a prestigious honour and an important career achievement.

Prof. Vassilios Agelidis  
University of New South Wales

*For contributions to power electronics, renewable energy conversion and integration with electricity grid.*

Prof. Vassilios G. Agelidis is Professor in Power Engineering with the School of Electrical Engineering and Telecommunications and Director of the Australian Energy Research Institute (AERI).



Prof. Karu Esselle Macquarie University

*For contributions to resonance-based antennas.*

Prof. Karu Esselle is Professor of Electronic Engineering at the Department of Engineering, Macquarie University, NSW, Australia, and Chair, Management Board, Australian Antenna Measurement Facility (AusAMF). He is also IEEE NSW Section Chair for 2016.



Prof. Gernot Heiser University of New South Wales

*For contributions to security and safety of operating systems.*

Prof. Gernot Heiser is a Scientia Professor and the John Lions Chair for operating systems at the University of New South Wales. He is also leader of the Software Systems Research Group at NICTA.



*Prof. Xuemin Lin* University of New South Wales

*For contributions to algorithmic paradigms for database technology.*

Prof. Xuemin Lin is a UNSW Scientia Professor in the School of Computer Science and Engineering at the University of New South Wales.

Currently, he is the head of database research group in the School of Computer Science and Engineering at UNSW.

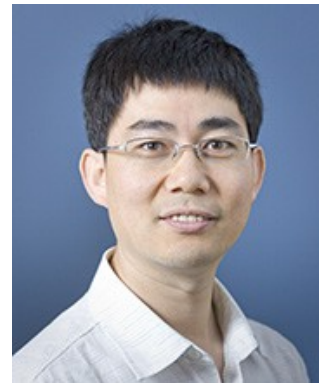


Prof. Jinhong Yuan

University of New South Wales

*For contributions to multi-antenna wireless communication technologies.*

Professor Jinhong Yuan is a Professor in Telecommunications with the School of Electrical Engineering and Telecommunications.



He is immediate past chair of the Communications / Signal Processions / Ocean Engineering Joint NSW Chapter.

Submitted by Ray Brown, the Vice Chair of the IEEE executive committee and the Chair of the Power & Energy Society NSW Chapter. His e-mail address is [ray\\_brown@ieee.org](mailto:ray_brown@ieee.org)

## POCO 2016 MONTREAL

The IEEE Panel of Conference Organisers (POCO) will be held in Monreal, Canada from 28-30 July 2016. This annual event aims to provide organisers of IEEE conferences with information they will need in organising a conference and on IEEE procedures. POCO also provides an opportunity for delegates to talk with other IEEE participants and with IEEE staff and officials.

The 2015 event in Glasgow attracted more than 190 people from 31 countries and the 2014 event in Singapore attracted 176 people from 29 counties. These conferences included sessions on sponsorship and MOUs, technical program, publications, finances, new style events, hotel accommodation arrangements, venue locations and much more.

The IEEE NSW Section has resolved to provide financial assistance up to a maximum of \$1500 to one suitably qualified member to attend POCO 2016. Applications are to be sent to [ray\\_brown@ieee.org](mailto:ray_brown@ieee.org) (ray underscore brown) before the **closing date of 22 April 2016** and should provide:

a short summary of the member and why they are qualified to attend POCO;  
information on their service to the IEEE (particularly the NSW Section); and  
information on their past and future work in organising conferences.

Applications are open to IEEE NSW Section full members who have not previously been financially supported to attend POCO. Reimbursement of costs (supported by receipts) up to the value of \$1500 will be made after an article providing a summary of POCO 2016 and the main points learnt is provided for publication in *Circuit*. The winning applicant will be chosen by a committee appointed by the IEEE NSW Section Vice Chair.

Submitted by Ray Brown, the Vice Chair of the IEEE executive committee and the Chair of the Power & Energy Society NSW Chapter. His e-mail address is [ray\\_brown@ieee.org](mailto:ray_brown@ieee.org)



## POWER & ENERGY SOCIETY CHAPTER UPDATE



### Office Bearers for 2016

At the PES NSW Chapter AGM held on 20 November 2015, the following people were elected office bearers for 2016.

Chair:	Ray Brown
Vice Chair:	Dr Georgios Konstantinou
Secretary / Treasurer:	Dan Candotti

### Outstanding Engineer Award 2015

The PES NSW Chapter Outstanding Engineer Award for 2015 was announced at the IEEE NSW Section AGM on 20 November 2015. The recipient is John Robinson, for "service to the PES New South Wales Chapter". John will be well known to many, with many years of service to the IEEE NSW Section.

### 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 is open until 15 August 2016.

More details are available at <http://www.ieee-pes.org/pes-communities/membership-grades/student-members>

### December Lecture - *Energy Storage at the Transmission Level*

Garrie Chubb, Investment Support Manager at TransGrid, gave a lecture on 10 December 2015 to the Joint Electrical Institutions at Chatswood. Garrie outlined the installation of a 400 kWh lithium polymer battery, 100 kW photovoltaic system and associated energy management system at TransGrid's Sydney West (Eastern Creek) facility. More information is available at [idemand.transgrid.com.au](http://idemand.transgrid.com.au)

### **PES Distinguished Lecturer - Prof. Janaka Ekanayake**

The PES NSW and Queensland Chapters have arranged for PES Distinguished Lecturer Prof. Janaka Ekanayake to visit Australia. Prof. Ekanayake is with Cardiff University in the UK and the University of Peradeniya in Sri Lanka and is widely recognised for his expertise in the area of wind power generation.

His lecture in Sydney will be on wind generation and its grid connection and will be held at the Tyree Building, University of NSW starting at 5 pm on Thursday 7 April 2016. An eNotice with further details will be sent out closer to the date or contact the PES NSW Section at [nsw.pes@ieee.org](mailto:nsw.pes@ieee.org) for further details.

### **IEEE PES Region 10 Conferences**

The IEEE PES runs three major conferences in Region 10 (Asia Pacific) - APPEEC, ISGT Asia and POWERCON. These are summarised in the table below. Australia is in the fortunate (and rare position) of hosting two of these conferences in 2016.

	<b>2016</b>	<b>2017</b>
APPEEC	Xi'an, China 25-28 Oct 2016	TBC
ISGT Asia	Melbourne 28 Nov - 1 Dec 2016	Auckland, New Zealand TBC
POWERCON	Wollongong 28 Sept - 1 Oct 2016	Next conference will be in China in 2018

### ***IEEE POWERCON 2016, Wollongong***

The IEEE PES International Conference on Power Systems Technology (POWERCON) 2016 will be held at the Novotel Wollongong Northbeach from 28 September to 1 October 2016. This conference is held every two years in the Asia-Pacific Region, alternating between locations inside and outside of China.

Paper submission closes on 15 April 2016.

More information is available at [ieee-powercon.org](http://ieee-powercon.org)

### ***IEEE APPEEC 2016, Xi'an***

The IEEE PES Asia Pacific Power and Energy Engineering Conference (APPEEC) 2016 will be held in Xi'an, China, on 25 - 28 October 2016.

Further information is available at [www.ieee-appeec2016.org](http://www.ieee-appeec2016.org)

### ***ISGT Asia 2016 - Melbourne***

The IEEE Innovative Smart Grid Technologies Asia Conference (ISGT Asia 2016) will be held in Melbourne from 28 November to 1 December 2016. The last time it was held in Australia was in Perth in 2011.

Further information is available at [sites.ieee.org/isgt-asia-2016](http://sites.ieee.org/isgt-asia-2016)

### ***Second IEEE PES Student Congress - Kuala Lumpur***

The Second IEEE PES Student Congress will be held in Kuala Lumpur, Malaysia on 15-17 August 2016. The congress will cover technical lectures, IEEE/PES non-technical workshops and both technical and historical field trips. More information available at [2ndpesstudentcongress.ieeemy.org](http://2ndpesstudentcongress.ieeemy.org)

### ***SmartGridComm 2016 - Sydney***

The Seventh IEEE International Conference on Smart Grid Communications (SmartGridComm) 2016 will be held in Sydney from 6 - 9 November 2016. The IEEE Communications Society is the technical and financial sponsor of the conference. The conference is expected to attract 300 engineers and academics over three days.

More information is available at [sgc2016.ieee-smartgridcomm.org](http://sgc2016.ieee-smartgridcomm.org)

## ***Report on APPEEC 2015 - Brisbane***

The Seventh Annual IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC 2015) was hosted by the PES Queensland Chapter in Brisbane on 15-18 November 2015. The event attracted around 300 delegates from 22 countries, with just over 100 delegates from Australia and just under 100 delegates from China.

### ***Senior Membership***

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 or any additional on-going fees.

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. If this is the case, please contact the PES NSW Chapter at [nsw.pes@ieee.org](mailto:nsw.pes@ieee.org), preferably attaching a copy of your resume. We can arrange for references from PES Senior Members and also for nomination by the IEEE NSW Section.

All eligible members are encouraged to apply.

### ***The Power and Energy Technology Systems Open Access Journal***

The Power and Energy Technology Systems Journal submission site is now open. This new open access journal is intended to be a technical journal containing practice-oriented articles focusing on all power and energy topics.

The url for manuscript submission is give below. Note that – as an open access journal - it charges a submission fee to cover the cost of refereeing submissions and making them accessible on the web if they are accepted. At the moment this is \$US 1,350 for articles of up to eight published pages and an extra \$US 120 for every published page above that

<https://mc.manuscriptcentral.com/petsj-ieee>

Submitted by Ray Brown, the Vice Chair of the IEEE executive committee and the Chair of the Power & Energy Society NSW Chapter. His e-mail address is [ray\\_brown@ieee.org](mailto:ray_brown@ieee.org)





# Education Society

## Chapter Update

The Education Society has continued to grow its member base - by 29% in 2015. We held six events during 2015. In 2016 we plan on sustaining this momentum with lots of activities. We have some new faces in the committee, including a new position focused on sessional teachers.

For all the latest news and events see the **chapter website**:

<http://sites.ieee.org/nsw/education-chapter-ed/>

If you use social media and would like to keep up with the latest local discussions on engineering education, join the chapters **LinkedIn group**:

<https://www.linkedin.com/groups/IEEE-NSW-Education-Chapter-6791976>

### Distinguished Lecture

#### - Editor-in-Chief of IEEE Transactions on Education, Prof Jeffery Froyd

Have you ever considered publishing your work in a high quality engineering education journal? This workshop will outline key information that you need to provide to have your work published in a high quality journal. This event will be held online using the iSee software platform that provides a 3D immersive collaborative experience. This means you can participate from anywhere in the world. You will be able to mingle with other participants, including Jeff, as well as ask questions. The event is being held on the 9th of June 2016 at 8:45am (AET).

Registration is essential and closes on the 6th of June. Participants will then be emailed a link with the web address to join the online workshop. Registration is limited and is on a first come, first served basis. Register at:

<https://meetings.vtools.ieee.org/m/38310>

### Promotions

#### - Rebate for the Engineering Education Winter School

The chapter has formed an alliance with the Australasian Association of Engineering Education (AAEE) to offer members a great opportunity to participate in an engineering education winter school. This will bring together engineering education researchers to learn about: designing and undertaking effective education research projects; Evaluating teaching and curriculum; Appreciating and responding to national and local grant opportunities; and more. The event will be held at UTS, 11-15 July 2016

NSW IEEE Education Society members can apply for a rebate to attend the five day winter school. Rebate information available from the chapter website

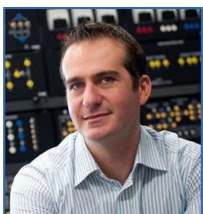
#### - Rebate for a IEEE Education Society Conference

NSW IEEE Education Society members can apply for a rebate to attend either the IEEE Frontiers in Education or TALE 2016 conference. Rebate information available from the chapter website

If you are interested in any of these activities please consider joining the Education Society!

Sasha Nikolic

Chair, IEEE NSW Education Chapter



# IEEE PES University of Wollongong

## Student Chapter earned 11th place in the world ranking

On the 23<sup>rd</sup> of February the IEEE PES Student Branch Chapter (SBC) at the University of Wollongong (UOW) received news that it had been ranked 11th in the world according to the IEEE PES High Performing Student Branch Chapter Program (HPSBCP) for the year 2015. The chapter is now the highest ranked in region ten. Congratulations go to Budapest University of Technology and Economics from Hungary for achieving the top rating.

This result is due to the hard work carried out by all the executive committee members and all student members of the IEEE PES UOW SBC. The chapter started in 2013 with very few members, and has since been reaching its goals each year attracting an increasing number of new student members.

The Chapter has been busy organising many activities to benefit the members, which is the main reason behind the success. With the aim of improving the practical power engineering knowledge of the members, IEEE PES UOW SBC has successfully organised many academic activities such as field trips, and academic visits to various facilities such as AEMO in Bella Vista, Transgrid Sydney, Gunning Wind farm, and SBRC at UOW. In addition, the Chapter has organised many technical seminars which support its members in gaining more knowledge in the power and energy sector. The chapter also supported undergraduates and postgraduates in the university in their studies through events such as STU VAC session organised by CSE (Center of Student Engagement) of UOW.



Furthermore, the Chapter has been actively promoting the club among students in UOW by participating to various activities such as Club day and O-week organised by CSE. The chapter also has a well maintained Facebook page and web page which play an important role in not only effectively recruiting new members but also timely updating the information to the members of the Chapter. In AUPEC 2015 recently held in Wollongong, the Chapter also had a stall for promoting purposes.

By participating various programs organised by CSE and partly sponsored by the Chapter such as the Leadership Training Program; the Clubs and Societies Networking Event, the executive committee also got the chance to develop their leadership, networking and various other soft skills. Moreover, the Chapter strongly encourages the members to get closer with more social interactions by sharing the ideas and social life via trivia BBQ. These would greatly contribute to the sustainable development of the Chapter in the coming years.

In many ways, IEEE PES UOW Student Branch Chapter has been supporting the members to improve the theoretical and practical knowledge in power engineering and to develop their soft skills through the support of CSE, Faculty of EIS, APQRC (SECTE) as well as from the mother society, IEEE New South Wales Section.

IEEE PES UOW Student Branch Chapter is ready and has already put up the plans to reach greater heights in the coming years with guidance of its counselors and with the great support of the members.

## Joint Institutions Lecture Program 2016

Here's what has been set up so far in the joint lecture program.

Date	Speaker	Subject
March 10, 2016	Paul Robinson	Child Safety - Button or Coin Batteries
April 14, 2016	Marco Piovan – ABB	Dry Type Transformers
April 28, 2016		To be advised
May 12, 2016	Tony Irwin_EA Nuclear Panel	Where to for nuclear in Australia?
May 26, 2016		To be advised
June 9, 2016		To be advised
June 23, 2016	To be advised	Huawei data centre design
July 14, 2016		To be advised
July 28, 2016		To be advised

As more lectures are organised, they should show up here (with others).

<https://www.engineersaustralia.org.au/events-all/c/115/l/253/l/254>

## IEEE NSW EMC Chapter

The NSW Chapter of the IEEE EMC Society was formed late last year after a successful petition to the IEEE. Thank you to those who participated and gave their support to the petition.

We are planning a number of events for this year, working with the Victorian EMC Chapter and the Engineers Australia EMC Society to bring distinguished lecturers to Australia and promote a wider understanding of EMC. Members of the EMC Society will be informed by email about these events as they are organised and we will be establishing a web page on the NSW Section web site.

The EMC Society of Australia 2016 Workshop in Canberra will have some interesting papers and presentations on Intentional EMI, with presentations by Dr Bill Radasky and Scott Piper. This workshop is on 16-17 September 2016 and details are available at <http://www.emcsaworkshop.org.au/>.

The initial committee is:

Chair	John Aitken
Vice-Chair	Erik Lensson
Secretary/Treasurer	Ray Brown.

We will be holding elections for the committee concurrently with the Section AGM in November this year.

If you would like further information, please contact John Aitken at [john@jja.com.au](mailto:john@jja.com.au).





## New and upgraded Members of the NSW branch of the IEEE.

### Fellows

The new fellows have an article all to themselves on pages 10 and 11 above, with a rather sparse explanation of how they earned to right to be elevated to fellow status.

### Life Fellow

We have one new life fellow

Martin A Green, from the Centre for Voltaic Engineering at the University of NSW

### Senior Members

We have ten new (or upgraded) senior members.

Stephanie	Boyd	Anthony	J	Maeder
Longbing	Cao	Aous	T	Naman
Min-Hsiu	Hsieh	Yogeshwar		Ranga
Yi	Li	Darren	J	Spoor
Ranjith	Liyanapathirana	Jonathan	C	Tapson

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.

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.

### Life Senior Members

Mahmood H Nagrial has become a Life Senior Member.

## Members

We have sixty people who are new members or have been upgraded to member status.

Sherry Moghadassi is a particularly eminent addition to our list. She's very active in Engineers Australia.

Sam		Abousaid	Md Khaled	Abu Mahmoud
Jeff	I	Allom	Mohammad Arsalan	Arshad
Keith		Attard	Kugeswarakurukkal	Balakkrishnasarma
Robert		Barnett	David	Bryan
Nigel	G	Chan	Lijun	Chang
Aurelio		Ciarrocchi	Sebastian	Delaile
Mohsen		Fadaee Nejad	Darren P	Frost
Steven	M	Garnham	Asif	Gill
S	M	Golam Sorwar	David R	Goodenough
Ali	Reza	Heidari	Doan B	Hoang
Tony		Jan	Beeshanga Abewardana	Jayawickrama
Konstantinos		Karagiannopoulos	Ruonan	Ke
Andrew	J	Kleinert	Wei	Li
Song		Liu	Desmond Kim Tee	Low
Antoine	S	Majdalani	Wolfram	Martens
Sherry		Moghadassi	Fotios	Moisiais
Alex	H	Ng	Haneesha	Nimmagadda
Gordon	R	Oliver	Zi	Ouyang
Shaun	Anthony	Owen	Jason	Pieloor
Ilung		Pranata	Elizabeta	Radeska
Neil George Hooper		Raffan	Nevhan	Ramadan
Fabio	T	Ramos	Duncan	Ross
Scott		Russell	David C	Rye
Paul	D	Smith	Edward	Smith
Yang		Song	Rada	Stanic
Yulei		Sui	John	Sutton
William	J	Tibben	Juan F	Torres
Jitendra		Verma	Lee D	Walsh
Lee		Weekes	Kevin Anthony	Wong
XiaoKe		Yi	Jinson	Zhang

## Life Members

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

David	M	Charrett	Raymond	T	Garrett
Mohammed	A	Helal	Gregory	C	Hurst
Shiu	Hoi	Lee	Peter	K	Muttik
T	D	Samuel	John		Sandor

## Graduate Student Members

We have 87 new graduate student members.

Saeed		Afshar	Euijoon		Ahn
Khairul		Anam	Mohamed	Mahmoud	Awadallah
Hamdan		Awan	Md.	Imran	Azim
Alpha		Bah	Ahmad		Baranzadeh
Suchet		Bargoti	Audri		Biswas
Annette		Burke	Kai		Cao
Sudipta		Chakraborty	Jieqiong		Chen
Nectarios		Costadopoulos	Hui		Cui
Mathieu		David	Mahmoud		Elkhodr
Ewald		Enzinger	Xing		Feng
Zihao		Gao	Sajad		Ghatrehsamani
Paritosh		Giri	Nabil	M	Giweli
Alexander	Ludmilov	Hadjiivanov	Zhenrong		Han
Saad	UI	Hasan	Ling		He
Brian	Anthony	Hope	Sayed	Amir	Hoseini
Shaoli		Huang	Tak	Lok	Hui
Astria	Nur	Irfansyah	Shama	Naz	Islam
Jitendra		Jonnagaddala	Yuba	Raj	Kafle
Rizhong		Kang	Peng		Kang
Patrick		Kasi	Weicong		Kong
Ian	William	Krieger	Fajun		Li
Muyang		Li	Steven		Limpert
Martin		McGrane	Thushanthan		Mohanarajah
Evan		Morrison	Mahesh	Reddy	Mudiganti
Hung	Dung	Pham	Jian		Qi

Min		Qiu	Md	Tanvir	Rahman
Dothinka	Saranath	Ranamuka Rallage	Hedieh		Ranjbartabar
Sabih	ur	Rehman	Andrew		Reynolds
Robert	Shuhdi	Salama	Steve		Sam
Clive		Sam	Kaveh		Sarrafan
Md		Shahzamal	Mostafaal	Masum	Shaikh
Yanyan		Shen	Jianxiu		Shen
Benjamin	John	Southwell	Xing		Su
Yingjie		Tan	Badari	N. N.	Thyamagondlu
Hongda		Tian	Lachlan		Toohey
Abu	R	Ullah	Benoy		Varghese
He		Wang	Dongxiao		Wang
Zhiqiang		Wei	Frederick	Steven	Wells
Alexander		Wendel	Xaowei		Wu
Weitao		Xu	Jianye		Yang
Yifan		Yu	Raheel		Zafar
Chiya		Zhang	Xiaojun		Zhang
Jin		Zhang	Hao		Zhou
Alex		Zyner			

## Affiliates

We have six new affiliate members

Michael		Colefax	Joseph	G	Davis
Brian		Farquhar	Elias		Giacoumidis
David	Sean	Henry	Andrew		Punch

## Associates

We have three new associate members

Perter	J	Briede	Jiggy	Ramos	Emata
Matthew		Kebliis			



## Student Members

We have 28 new student members.

Mubarak		Alrashidi	Robert		Amos		
Ulises	Alejandro	Aregueta-Robles		Jiang		Bian	
Sanat	Kumar	Biswas		Rhys		Blackman	
Scott		Butler		Marie	Josephine	Rose	Castro
Wei-Chung		Cheng		Robert	Joel		Denison
Bahjat		Fakieh		Nicholas		Fochtman	
Georgia		Holt		Kaavya		Karunanithi	
Cody		Lymar		Jeremy	Chen-Xiang		Ma
Adrian	Naresh	Daniel	Manickam		Santanu		Metia
Jeonghwan		Min		Peter		Nicholas	
Vu		Pham		Serge		Rozentsvet	
Yuxi		Ruan		Catherine		Simpson	
Jordan	Alexander	Turley		Dong		Wen	
Tong		Wu		Xi		Zeng	

Bruce Poon – e-mail [adsphere@optusnet.com.au](mailto:adsphere@optusnet.com.au) – extracted this data from the IEEE's SAMIEEE database, 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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Instructions :

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Dr Ali Hellany -----IEEE NSW Student Activities Chair  
Western Sydney University, School of Engineering  
Locked Bag, 1797 Penrith South DC

e-mail: [a.hellany@uws.edu.au](mailto:a.hellany@uws.edu.au)

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

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