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Institute of Electrical and Electronics Engineers
Queensland Section (ABN 67 431 648 974)
ieee-qld.org

IEEE QUEENSLAND SECTION NEWSLETTER

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Section Chair's report



GARRY EINICKE, CSIRO AUSTRALIA
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What technologies should we be developing now to support our future generations?

Should we be exporting more fuel or should we be powering desalination plants, producing and exporting more foodstuffs? Should new cities be located closer to power stations and farmlands? What are the socio-economic projections about our emerging preferences? There is almost a sense of Heisenberg's uncertainty principle and Darwinism at play: introducing new technologies elicits unpredictable market responses, which in turn drive R&D investment decisions.

These are exciting times for researchers in the energy space. Renewable energy experiments are being conducted in most major cities. An ongoing challenge will be managing the mix of baseload power plants, disparate wind turbines and roof-top solar panel networks, and local energy storage systems.



Electric vehicle charging station

Last month, I visited Amsterdam and Berlin. It was pleasing to see their rolling out of kerb-side electric vehicle recharging stations and I look forward to having similar options here. Commentators are predicting a downturn in coal-fired power station reliance. Paradoxically, if there were a mass take-up of electric vehicle technology, our existing power distribution networks would struggle to meet the demand.

It is vitally important to attract more students to science and engineering. We need to shepherd in next-generation engineers – for they will be responsible for developing creative and innovative solutions to emerging energy-related problems. One of our IEEE Queensland initiatives is the introduction a Teacher In-Service Program (TISP) to Secondary Schools. This is aimed at attracting more students to the sciences and being led by Mike Robinson. Please contact Mike (black-magic1943@gmail.com) if you have capacity to support this initiative.

Successful innovations tend to flow from interactions and collaborations with like-minded researchers. To this end, the IEEE PES Queensland Section is organising the IEEE PES Asia-Pacific Power and Energy Engineering Conference 2015 in Brisbane – see [APPEEC](#). Further information can be obtained from the Conference Chair Tapan Saha (saha@itee.uq.edu.au), the PES Chair Chandima Ekanayake (chandima@ieee.org) and the PES Vice chair Nilesh Modi (n.modi@ieee.org).

As usual, feel free to contact a member of our team if we can be of assistance.

Newsletter editor's report



HUGO G. ESPINOSA
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Hello, and welcome to the 2nd edition 2015 of the IEEE Queensland section's newsletter. This issue is a brief update on what the Section has been up to since the last edition published in March 2015.

I would like to thank Mike Robinson, former editor of the newsletter, for his assistance in getting me up to speed in my new role as newsletter editor. As with previous newsletters, this issue has been produced in \LaTeX . Rob Ellen and Mike Robinson did an extraordinary job in creating all the templates with the appropriate format for the newsletter, so with simple adjustments I have easily created this 2nd issue. It has been almost 8 years since I used \LaTeX for the last time when I wrote my PhD thesis, back then only a basic \LaTeX editor was available, but I have now discovered the very friendly TeXstudio platform which makes the edition even easier.

This issue contains a series of successful events from different chapters and groups, which took place during the past months, such as [ICASSP](#) (IEEE International Conference on Acoustics, Speech and Signal Processing 2015). The prestigious conference was held at the Brisbane Convention & Exhibition Centre and hosted

1,783 participants. The issue also includes upcoming events, such as [APPEEC](#) (IEEE Asia-Pacific Power and Energy Engineering Conference 2015) and several seminars from different chapters and groups that you should not miss.

Finally, this issue contains the 2016 call for nominations for IEEE Queensland Section office holder positions. We hope you will consider volunteering for a role in the 2016 IEEE Queensland committee.

Many thanks to all who contributed to this issue. Some time ago, Mike Robinson compiled a set of guidelines on how to prepare contributions to the newsletter, I strongly encourage you to follow them before submitting your report. You can find the guidelines [here](#).

There will be two more issues in 2015 (September and December), I hope you find them useful and informative. If you have any comments on the content or suggestions for improvements, please feel free to e-mail me at: h.espinosa@griffith.edu.au, your opinion will be highly appreciated.

Treasurer's report



MIKE ROBINSON
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The section's finances have had a dramatic turnaround in the last few years, and especially in the last few months.

When I was first elected treasurer in 2011 the section's net worth was \$79,742. This tidy sum comprised \$18,787 cash-in-hand and over \$60,000 in interest-bearing deposit accounts. A year prior to that the position was even better, with a net worth of \$93,368.

Curious as to how the section had amassed such an impressive bank balance, I asked around and was told that the section had organised a conference, possibly with Engineers Australia, that netted \$40,000 for the section. I will return to this point in a moment.

The section's only source of regular income is the annual IEEE rebate, based on membership numbers and chapter activities. Each member is worth a \$3 rebate, fellows and senior members \$4 each, and affiliates \$1.50 each. Chapter activities are worth \$200 per chapter, provided the chapter has conducted two activities during the previous year. If the treasurer submits the section's financial returns to IEEE headquarters by a certain date each year a further 10% is added to the rebate.

The dollar values quoted above are US dollars; the real value of the rebate fluctuates with the value of the Australian dollar. For the last few years the strong Australian dollar worked against the section, sometimes reducing the rebate's US dollar value by more than 25%. Hence the annual rebate (approximately \$8,000) has not always been enough to cover annual operating expenses and the section's net worth declined year by year.

In January 2012 the net worth fell to \$70,685. The following year it dropped to \$63,836. January 2014

saw it bounce back to \$72,752, and in January 2015 it had recovered to \$83,480. At the moment the net worth is \$106,168, almost \$23,000 more than at the start of the year.

What brought about such a dramatic change in the section's financial fortunes, especially in such a short space of time? Conventions provide the answer.

In September 2013 Professor Brian Lovell organised the **IEEE International Conference on Image Processing (ICIP2013)**. The conference was held in Melbourne but by prior arrangement with the Queensland Section Professor Lovell channelled the conference's finances through a bank account set up by the section. Furthermore the section's ABN was used in settling the conference's GST returns with the Australian Taxation Office. In April Professor Lovell made a donation of \$9,000 to the section from the profits of the conference. Thank you Brian!

In April this year Vaughan Clarkson co-chaired the 40th **IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP2015)** in Brisbane. Following the formula from the 2013 conference, a bank account was set up by the section to handle the conference receipts and disbursements, and the section lent its ABN for GST accounting with the ATO. In return the section received a donation of \$10,000. Thank you Vaughan!

The two examples mentioned above were large international conventions, but even small conventions can be a source of revenue for the section. **ANZSCON14**, organised by the Young Professionals Program affinity group last year with fewer than 100 delegates brought \$3,400 into the section's bank account. Well done, and thank you YPP!

The section will be pursuing this income stream vigorously in coming years. If your chapter is considering a local or an international convention in the near future, please let me know and I will make sure your convention enjoys the same level of organisational support the three conventions mentioned above received.

Profits from international conventions are remitted to IEEE parent societies in the USA. Unless arrangements are made beforehand, none of the profits stay in Australia. Employing the Queensland Section to co-manage a convention's finances is a positive way to ensure the section and its members benefit from hosting

a convention locally.

Maintaining a healthy bank balance allows the section to provide more services to its members. The donation from Brian Lovell's conference is being used to fund a 5-year student thesis prize. The donation from Vaughan Clarkson's conference provided seed funding for an **IEEE PES Asia-Pacific Power and Energy Engineering Conference** ([APPEEC2015](#)) to be held in Brisbane in November 2015, under the auspices of our PES/DEIS chapter.

CQUniversity Brisbane Student Branch



MARY TOM
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This event was organized under the leadership of IEEE Student Branch Counselor Dr. Mary Tom and ACS Event Manager *Kylie Barringer*. This event was attended by over 35 participants, including ICT professionals from the Brisbane area and students from CQUniversity.



A Glimpse of Audience Listening to Bob Waldie

Four invited speakers with a wealth of knowledge and several years of ICT industry experience delivered very information-rich presentations on different topics that are: 1) How to use ICT skill to initiate a startup and become an entrepreneur, 2) Internship: How does it work, 3) Australian Computer Society (ACS) For ICT Students and Professionals: An Overview, 4) Transition From A Student to an ICT Professional: Sustainability, and Career Growth.

The first speaker, Bob Waldie, Entrepreneur, Opegear, delivered a very interesting and engaging talk sharing the wealth of knowledge he gained as an entrepreneur. Bob made the topic lighter but without losing the seriousness of the content. He pointed out the risks involved, pathways that could be pursued, the thrill and the secrets of success in venturing. The au-

dience took very keen interest in the speech which was demonstrated by many interesting questions and prolonged discussions that followed. Bob calls himself an aging entrepreneur, but still contributes to the director board of Opegear and expressed his willingness to be a mentor for novice ICT entrepreneurs.



Dirk Hus providing an introduction to Brisbane Airport Corporation

Dirk Hus, Business Solutions Manager, Brisbane Airport Corporation Pty Ltd. explored the pathways to become an intern and how this works at Brisbane Airport Corporation (BAC) where he engages interns. Dirk commenced his speech providing a brief overview of the overall structure of BAC and areas of interest to interns, and skills required from ICT graduates. It was made clear that an intern goes through rigorous training getting exposure to several areas of ICT expertise. As the talk encouraged many eager ICT students to expand their knowledge, the discussions and questions continued for a while. Students enquired about accessibility issues for student-visa holders, formal procedures, and methods to locate potential employers ready to take interns.

As the event was co-sponsored by Australian Com-

puter Society (ACS) and also there are major restructuring of the skills assessment of ICT professionals based on Skills Framework for Information Age (SFIA), it was very relevant to have Barry Snashall, State Manager – Australian Computer Society, to speak about the role of ACS for ICT students and professionals. It is also worth mentioning that ACS members outnumbered IEEE members in attendance. Barry provided an overview of the role played by ACS commencing from skills assessment, organizing seminars, delivering on-going professional development and training, and also upholding the dignity and standards of the profession. Because of the large number of students attending, Barry also took time to go through the new SFIA based skills assessment.



Barry Snashall giving an Australian Computer Society overview

The fourth speaker, **Oleg Lukin, BI Analyst / Developer, Transpacific Industries**, who is an alumnus of CQUniversity shared his knowledge on “*Transition From A Student to an ICT Professional*”. Oleg shared his experiential knowledge about the challenges to be faced in job hunting and building expertise to become a professional. Oleg also emphasized the need to be a lifelong learner, and also gaining essential generic skills such as team work and time management.

Oleg has gained expertise in Business Intelligence (BI) and application of BI techniques to assist better management of complex business environment. As BI has become not only an expertise, but a great passion Oleg spent a good part of his speech to educating the audience in BI, its need for business performance, and

the skills required to become a good BI Analyst. Oleg also spent time to talk about the tools used in this area and how students can get some hands-on experience.

Social Activities

One of the main goals of the event was to promote networking between the participants and the industry representatives. This objective drove us to plan the event in a way which allowed this interaction to be always present. Having this mind, the event was designed to have coffee-breaks and refreshments, after the first two presentations, with enough time for the participants to meet and mingle. It is a fact to report that Bob and Dirk were surrounded by participants engaging in serious discussions on the topics of entrepreneurship and internship possibilities.



Well Organised and served Refreshments

Feedback

The IEEE 2015 event Organiser Committee Team has received positive feedbacks from members and participants.

Conclusions

Considering the good attendance at the event and the positive reviews received from attendees, we consider that the event was successful. It certainly exceeded our expectations. We would like to thank everyone who helped with the event. That includes our excellent speakers, the attendees, and many others. Thank you!

University of Queensland PES Student Branch



JAROSLAW KRATA
j.krata@uq.edu.au

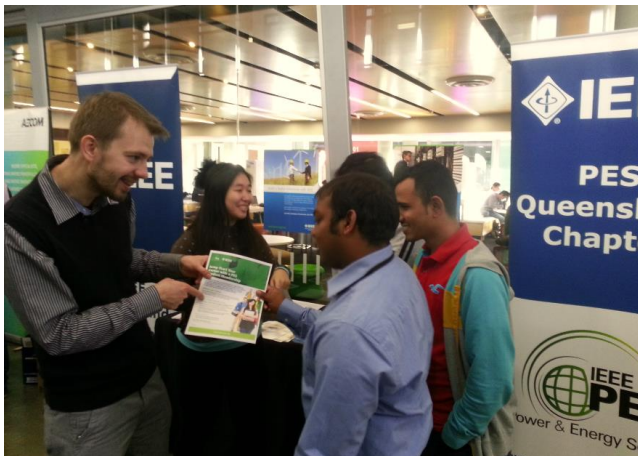
Committee:

Chair: Jaroslaw Krata

Vice-chair: Hanxiao Zhang

IEEE Recruitment and Promotion at UQ EAIT Postgraduate Conference

IEEE Queensland Section sponsored the University of Queensland (UQ) Engineering Architecture and Information Technology (EAIT) Postgraduate Conference on 10th June 2015. Hanxiao Zhang and Jaroslaw Krata from the IEEE Queensland UQ PES student chapter volunteered to facilitate recruitment for and promotion of the Queensland Section during the conference. This event successfully attracted over 200 post-graduate and undergraduate students and over 40 professionals. 113 research topics were presented at the conference in various engineering areas, such as renewable energy generation, energy storage and signal processing.



Jaroslaw Krata and Hanxiao Zhang promote IEEE to the conference delegates

During the conference's morning tea and lunchtime

breaks, the IEEE information table attracted a majority of the delegates to find out more about the organization. PhD candidate Jalil Yaghoobi from Power and Energy System group, School of ITEE, UQ, won the IEEE Best Presentation Prize. It was indeed an excellent way to get IEEE known to more professionals working in technology and related areas.



Jalil Yaghoobi (Left; IEEE Best Presentation Prize holder), Dr Ruifeng (Richard) Yan (Right)

With assistance from IEEE Queensland Section's PES chapter and the UQ PES student Chapter, the promotion of IEEE at the UQ EAIT Postgraduate Conference was successful and received attention from all conference participants. The IEEE award at the conference provided an excellent opportunity to reward existing members and attract new members from various disciplines.

Women In Engineering Affinity Group



ALEXANDRA POSOLDOVA
alexandra.posoldova@griffithuni.edu.au

Committee:

Chair: Alexandra Posoldova

Vice-chair: Bafrin Zarei

Secretary: Marie Luise Wille

The Queensland section's Women in Engineering committee is excited to announce their first event, featuring four very successful women from different research fields and industries, who will share their stories and secrets of success. We would like to invite you all to this upcoming seminar (see flyer on next page):

Date: 7th of July, 3.00-5.00 pm

Place: Griffith University South Bank Graduate Centre, Seminar Room S07 2.17

Title: Women in Research – Find out how they did it and you can do it too!

Speakers: Marie Phillips, Dr Kristy Vernon, Prof Tamara Davis, Distinguished Prof Judith Clements

This seminar aims to inspire female and male scientists and engineers at all career stages. The presenters

will share their career/life experience and how they overcame the obstacles in their path. You will also be inspired by the way they were able to take care of small kids and still climb the career ladder. Furthermore there will be an opportunity for networking during the afternoon tea.

Please RSVP for this FREE event using the IEEE vTools Meetings [website](#).

The WiE committee is looking forward to seeing you all there.

Also, do not forget to like the IEEE Women in Engineering Queensland Facebook page to stay up to date! Future events will include workshops to practise your presentation skills and build your self-confidence along with fantastic networking opportunities.



Research

Fun

Academia

Industry

Kids

Career

Grants

Success

Failure

Tips

Networking

Afternoon tea

All welcome



Women in Research

Find out how these ladies did it and you can do it too!

Tuesday 7th of July 2015, 3-5pm



Dr. Kristy Vernon is a senior lecturer in optical physics at QUT, a Fulbright and Tall Poppy Alumnus and currently juggling work and the needs of a cheeky toddler.

Professor Tamara Davis is a multi award-winning astrophysicist from UQ and passionate ultimate frisbee player competing in world championships.



Distinguished Professor Judith Clements is the scientific director of the Australian Prostate Cancer Research Centre-Queensland and the only woman in QUT's history to obtain the prestigious title of Distinguished Professor. She also has just been awarded the nation's foremost honour, a Companion of the Order of Australia.

Marie Phillips has co-founded ICON Software Solutions in 2008. As CEO and Executive Director she developed a strategic plan for the growth and ultimately the sale of ICON to TechnologyOne for \$10m in January 2015.



Griffith Uni South Bank Graduate Centre
Seminar Room S07_2.17

Please register via <https://meetings.vtools.ieee.org/m/34962>

Young Professionals Program Affinity Group



MOHAMMAD (MO) AMANZADEH
m.amanzadeh.au@ieee.org

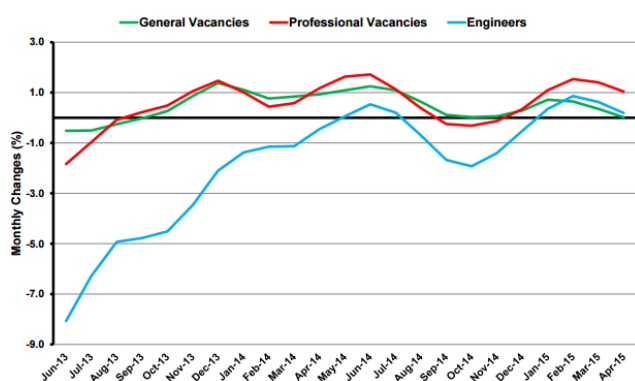
Committee:

Chair: Mo Amanzadeh

Vice-chair: Reuben Peterkin

IEEE Career Resources Workshop

The trends in job vacancies for Engineers have declined in Australia and Queensland in the last two years. Information Technology and Electrical Engineering have not been an exception. The Department of Employment reported on shortages of special skills in Electrical, Electronics and Software Engineering in regional areas, but there are recruitment difficulties. As a young professional in this field, how do you compete with other applicants? Do you have a mentor to learn how to get your ideal job in such a market? Does your resume demonstrate your skills? Are you tired of the job market? and would you like to look at international job opportunities, but do not know where to start? Do you know that most people find jobs through their professional network?



Monthly Changes in General Vacancies for General, Professionals and Engineers, Past Two Years (Engineers Australia Factsheet)

IEEE Queensland Section's Young Professionals Affinity Group is inviting you to our first workshop

on Career-Based Services provided at IEEE, including IEEE MentorCenter, ResumeLab and IEEE Job Site. In this workshop we will discuss the current job market and will demonstrate the main features of the following services. You will learn how you can efficiently use IEEE career-based services to find your dream job in Australia and around the world.

- IEEE MentorCentre is an online program that facilitates the matching of IEEE members for the purpose of establishing a mentoring partnership.
- IEEE ResumeLab is an online service that allows IEEE members to develop a resume or curriculum vitae using a wide array of resume templates. Members can also perform mock interviews using over 900 potential interview questions or develop letters, portfolios, and skills assessments to use during the interview process. Best of all, the information developed on IEEE ResumeLab is easily shared with potential employers, mentors, or colleagues via a personalised Web site.
- IEEE Job Site provides access to jobs advertised by more than 3,000 leading corporations and organisations around the world.

After the workshop, we will have refreshments and a networking event where you will have the opportunity to meet your fellow Young Professionals. The main workshop event is on the 13th of July from

5:30pm to 6:30pm. Venue: Advanced Engineering Building (Building #49) Room: 502 Staff House Road, the University of Queensland, St. Lucia, Queensland, 4072. This event is free for members and

non-members. Students and other IEEE group members are welcome to join. Please contact me on (m.amanazadeh.au@ieee.org) for any further information.



The advertisement features the IEEE youngprofessionals logo at the top left. The main title "Networking on New Levels" is displayed in large white text on a dark background. Below the title, a tablet displays a social media-style interface with a chat conversation. The chat messages include: "Hey, do anything interesting this weekend?", "Just finished up a mock interview on ResumeLab, you?", a photo of a yellow and red biplane, "And hit the networking event #ieeeyp" with a photo of three people, and "Sounds great. See you at the next one." To the right of the tablet, there is a cup of coffee. At the bottom right, there are logos for IEEE JobSite, IEEE ResumeLab, and IEEE MentorCentre, along with the URL ieee.org/yp and the IEEE logo with the tagline "Advancing Technology for Humanity".

Aerospace & Electronic Systems Chapter



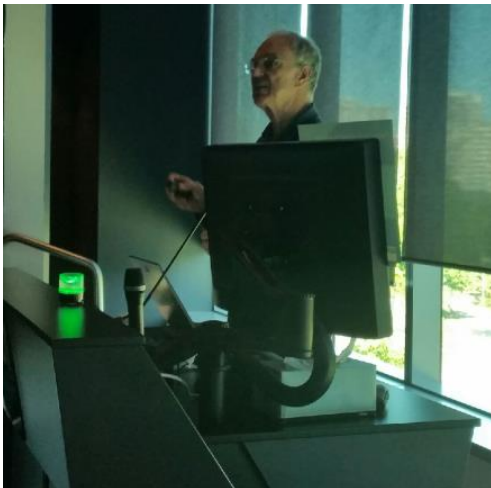
ROBERT KENNEDY
Robert.Kennedy@ausaero.com.au

Committee:

Chair: Robert Kennedy

Secretary: John Davies

On the 12 May 2015, the Aerospace and Electronics Systems Society of the Queensland Section hosted a lecture by Dr John Norgard who spoke about missions at NASA and the EMI/EMC problems they face during testing and analysis.



Dr John Norgard

The meeting was held at QUT and the meeting room was kindly booked and setup in the Engineering and Science building by Dr Luis Mejias Alvarez.

We had 52 guests in attendance and many who are IEEE members.

Dr Norgard presented an overview of space exploration and NASA's past/present/future missions. As the

chief engineer for EMC at JSC in Houston, Dr Norgard's focus was on the EMI problems and EMC solutions during the design and build of the Space Shuttle, which was used to build the International Space Station.

Dr Norgard is currently focusing on the Orion spacecraft, built for future NASA manned deep-space exploration of the Moon and Mars, which is a blunt body re-entry capsule, composed of a crew exploration module and a service module.

Dr Norgard's lecture went for approximately 1hr and 45 minutes and we had 30 minutes of questions after that.

The audience participated well and by all accounts appreciated the in-depth explanations that Dr Norgard presented.



Attendees in Lecture Room

Microwave Theory and Techniques/Antennas and Propagation Societies Chapter



DR. GREG HISLOP
greg.hislop@csiro.au

Committee:

Chair: Dr. Greg Hislop

Vice-chair: Dr. Konstanty Bialkowski

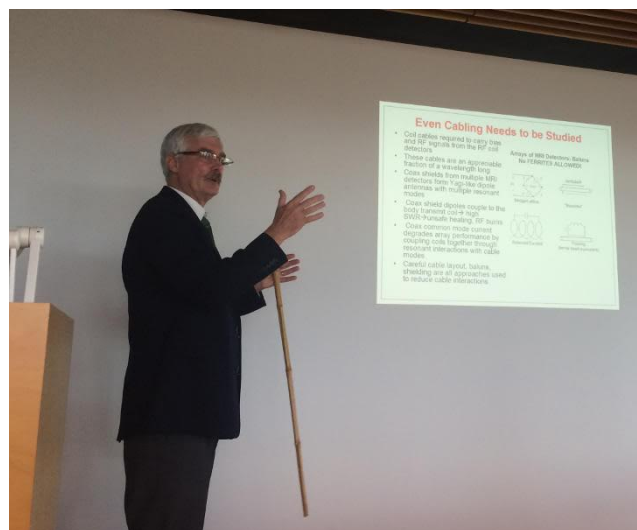
Secretary: Antony Lui

This year we have a new committee including Greg Hislop (Chair), Konstanty Bialkowski (Vice-Chair), Antony Lui (Secretary) and Morteza Shahpari (Committee Member). This year an initiative of our chair Greg Hislop has been a 'Talking Microwaves over Dinner' which involves a local specialist leading a discussion on a topic of interest to our chapter community. They do this by briefly presenting an idea, paper, problem of interest to their work, explaining the problem and encouraging open discussion on the subject.

So far this year we have had two of these events. The first was led by Dr Greg Hislop from CSIRO, who led discussion on 'measuring ground permittivity in real time using dielectric loading and commercial GPR'. The second was led by Dr Yifan Wang from the University of Queensland, who led discussions on 'Reconfigurable Antenna Simulation'. Both events had a productive discussion on the papers and topics presented.

This year we have also had quite a number of technical seminars from guests as well as Distinguished Lecturers from both our parent societies (MTT and APS). The first in February was Prof Pingzhi Fan from Southwest Jiaotong University, China who presented on the topic of 'High Mobility Wireless Communications: Challenges and Opportunities'. He talked about bringing broadband internet to high speed train travellers.

The second technical seminar was in March and from MTT distinguished lecturer Prof Robert Caverly from Villanova University. He presented on the topic of 'RF Aspects of MRI'. This seminar catered for both experts and newcomers to the field. Interestingly an MRI machine can contain hundreds of PIN diodes, which is an element used for switching on-and-off different coils and components during measurement. The use of PIN diodes was also the reason for Prof Caverly entering the field of MRI.



Prof Robert Caverly describes RF aspects of MRI

The next seminar was in April from Andrew Grier from University of Leeds in the UK on 'Modelling and design of THz quantum cascade laser active regions

with an extended density matrix formalism'. Andrew commented that being able to model QCL lasers and understand them in greater detail may result in future lasers being able to operate at higher temperatures.

Also in April Dr Gregory Hellbourg from CSIRO in Sydney presented 'Spatial interference mitigation for radio astronomical arrays'. It was a very interesting topic which is highly relevant given the Square Kilometer Array (SKA) projects which the CSIRO is working on.



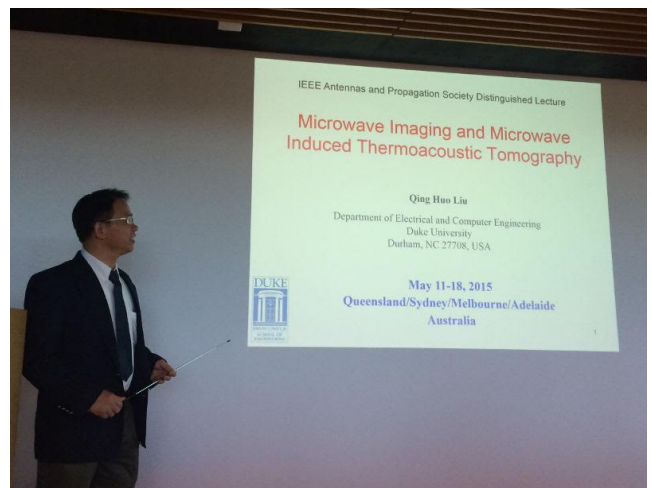
Dr Gregory Hellbourg presents Spatial Interference Mitigation for Radio Astronomy

The next two seminars were held in May and were from APS distinguished lecturer Prof Qing Liu from Duke University. The first of these was on 'Subsurface Sensing and Super-Resolution Imaging: Application of Computational Acoustics and Electromagnetics' and was held at the CSIRO in Pullenvale. It showed the application of super resolution algorithms for underground imaging and specifically oil wells.

The second was on 'Progress and Challenges in Microwave Imaging and Microwave Induced Thermoacoustic Tomography' and showed the application of similar algorithms to medical applications and specifically Thermoacoustic Tomography for the human breast.



Prof Qing Liu at CSIRO



Prof Qing Liu at UQ

In the second half of this year we have a number of interesting events from distinguished lecturers from both the MTT and APS societies. The first of these will be in July from MTT DL Prof Mona Jarrahi from University of California Los Angeles, who will be talking on 'New Frontiers in Terahertz Technology'. The next seminar will be MTT DL Prof Mahdu Gupta from University of California San Diego, who was the previous MTT society director and should be visiting in August or September, and presenting on 'Microwave Engineering: What is it, where is it headed, and how it serves mankind' which is a talk that is well suited to both experts and students in the field. In October, APS DL Prof Mats Gustafsson from Lund University in Sweden will be presenting on topics relating to near-field electro-magnetics and small antennas.

Also this year, Konstanty Bialkowski (Vice-Chair) visited one of the premier Microwave conferences of the MTT society - International Microwave Symposium (IMS) which was held in Phoenix, Arizona in the USA. IMS is a unique conference in the Microwave field which is suited to both industry and academic participants. Two areas of research were highlighted including 5G mobile communication as well as the 'Internet of Things'. There were several special sessions dedicated to these areas. MTT members can read the special issue of the Microwave [magazine](#) to see a full list of topics presented. IMS had a large trade show co-located with academic technical sessions. This year over 900 exhibitors presented their products at the conference.

As part of the trip, Konstanty attended the Chapter Chairs meeting, to present the Queensland chapter report to the society and learn more about how the MTT society works, as well as how it can assist chapters with speakers (distinguished lecturers), and co-funding for larger events.

For students, there are a large number of events held at the conference. For example, there are a number of competitions run by the technical program committees ranging from software-defined radios for microwave applications to amplifier and filter circuits with specific requirements. Students compete in teams to showcase their solution to the pre-determined problem set several months before the conference. Also, students can apply

for undergraduate and postgraduate fellowships. One of the undergraduate fellowships was presented to Laurence Cheung, who was awarded the fellowship for his final year thesis project entitled 'SDR Based Wideband Frequency Transceiver for UWB Medical Imaging'. As part of the prize Laurence was able to travel to IMS to pick up his award at the student award luncheon. More information on fellowships is available [here](#).

In July the AP society will be hosting its premier conference [APSURSI 2015](#) in Vancouver in Canada. Several of our chapter members will be attending.

We intend to continue the "Talking Microwaves over Dinner/Drinks" series into the second half of this year. With this in mind we are actively seeking local microwave specialists interested in leading the discussion and proposing a topic. With ten people attending our last event this promises to be a good opportunity to discuss work of interest to you and get the opinion of other microwave professionals. One may present one's own work or something published in the literature. It is a casual, friendly setting requiring little to no organisation from yourself (we will organise the venue and advertise the event for you). If interested please contact either Greg Hislop (greg.hislop@csiro.au) or Konstanty Bialkowski (konstanty@ieee.org).

Please visit our [chapter website](#) to see more details on the upcoming events for 2015 as well as a nice summary of past events for this year.

Power & Energy/Dielectrics & Electrical Insulation Societies Chapter



CHANDIMA EKANAYAKE
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Committee:

Chair: Chandima Ekanayake

Vice-chair: Nilesh Modi

Secretary: Ruifeng Yan

Conference: IEEE PES Asia-Pacific Power and Energy Engineering Conference 2015 (IEEE PES APPEEC 2015)

Dates: 15th to 18th November 2015

Venue: Brisbane Convention and Exhibition Centre

The conference is being organised by the Institution of Electrical and Electronics Engineers – Power and Energy Society (IEEE PES), the world's largest forum for sharing technological developments in the electric power industry. Each year the Asia – Pacific region of the IEEE-PES holds its Power Engineering and Energy conference, where the leading power engineering researchers and industry practitioners present and discuss the latest developments on emerging power industry issues, of critical importance, to countries in the region.

This is your opportunity to learn the newest innovations and technologies that will be essential in successfully developing the power system of the future, as well as the changes and challenges confronting the industry along the way. You will hear researchers from the region's leading power engineering universities and research centres explain their latest technical discoveries, and listen to utility executives and practicing power industry engineers discuss their challenges, experiences and solutions.

This is the first time that the conference will be held

in Australia, having been successfully run for the last six years in leading Asian cities such as Hong Kong in 2014. This year's conference will cover a broad range of power industry topics, including the challenges of rapidly growing economies, managing ageing infrastructure in developed countries, and, the network integration problems of intermittent renewable generation and distributed technologies.

So make plans to attend the region's pre-eminent power engineering and energy conference that will be held in Brisbane, Australia, on 15th to 18th November 2015.

Important Dates:

1st May 2015: Website opens for submission of papers

30th June 2015: Deadline for submission of full papers for review

1st August 2015: Notification of acceptance

20th September 2015: Deadline for early bird registration

For more details visit [APPEEC](#).

Seminar: Enhanced Power System Responsiveness through Load Control

Date: 01-June-2015

Speaker: Prof. Ian Hiskens, University of Michigan at Ann Arbor, USA

PES/DEIS chapter organized an expert talk on Enhanced Power System Responsiveness through Load Control by Prof. Ian Hiskens. During his interesting talk he discussed various aspects of load control to mitigate variability effects of intermittent large-scale renewable generation. He briefly discussed the importance of expansive communications networks and advanced distributed control algorithms to facilitate precise non-disruptive forms of load control. The seminar was well attended by IEEE and non-IEEE members.

Seminar: IoT and the Power Grid – Endless Possibilities

Date: 27- April – 2015

Speaker: Prof. Bala Natarajan, Kansas State University, Manhattan, USA

The PES/DEIS chapter organized an expert talk on Internet of Things and the Power Grid – Endless Possibilities by Prof. Natarajan. During his talk, he discussed problem of compressive sensing-based data aggregation in a power distribution grid and presented the fundamentals of centralized and distributed estimation, and control of a spatially distributed cyber physical system. He also addressed the role of an active consumer: how one might use differential pricing to control the load profile.

Announcement of IEEE PES/DEIS student Travel award:

The IEEE Queensland Section's PES Chapter awarded two Student Conference Travel Prizes each worth \$1000. In 2015 the chapter received 5 applications from the students of Queensland universities to attend and present papers at the 2015 IEEE PES General Meeting in Denver, Colorado, USA. Mr. Nahid-Al Masood and Mr Sohel Uddin are this year's winners in 2015. Award winners will receive a certificate from IEEE Queensland section during the section's Annual General Meeting.

Upcoming Seminars:

1. Past, present and future research into insulating materials

Date: 14-July-2015

Time: 3:30 – 5:00 pm

Venue: The University of Queensland

Speaker: Prof. Len Dissado, University of Leicester, UK

The seminar will present a personal view of the developments that have been made in our understanding of breakdown, pre-breakdown, and ageing phenomena, in insulating polymeric dielectrics over the thirty six years that I have been working in the field. Topics such as water trees and electrical trees where major advances have been made will be covered. More details and registration are available [here](#).

2. Proposal of new electricity architecture, the loose coupling and best mix of GRID and ECONetwork

Date: 16-July-2015

Time: 3:00 – 4:00 pm

Venue: 26 Reddacliff Street, Brisbane, Queensland, Australia 4006, (Energex, Level 1)

Speaker: Mr. Satoshi Nagata

ECONetwork consists of clusters of ProSumers, Producers as well as Consumers, who have at least one generator and/or one battery, at least one appliance, and control equipment. The technology has been proven through computer simulation in 2009, laboratory tests in Osaka Gas in 2010 to 2013, Waseda University 2013, and field-tested under realistic living circumstance in Osaka Gas in 2013, and Yamagata governmental officers' houses in 2014 to 2015. This seminar presents the results. More details and registration are available [here](#).

For more information and upcoming events please visit the Power & Energy Society [website](#).

The chapter is pleased to announce that it was again recognized in the PES High Performing Chapter Program ([HPCP](#)) awards in 2014. This is the fifth year in succession that the chapter has received this prestigious award. Out of 84 chapters qualifying for the award, Queensland was 4th in the overall list of winning chapters in terms of the funding amount awarded, and in 2nd place (behind Malaysia) for non-US chapters.

Signal Processing and Communication Societies Chapter



ANDREW BRADLEY
a.bradley@itee.uq.edu.au

Committee:

Chair: Andrew Bradley

Vice-chair: Vaughan Clarkson

Secretary: Dhammika Jayalath

Report on ICASSP 2015

The world's premier conference on signal processing came to Brisbane

It was the culmination of nine years of planning to stage ICASSP at the Brisbane Convention & Exhibition Centre (BCEC) on 19th to 24th April this year. ICASSP is the longest-running of the IEEE Signal Processing Society's flagship conferences. Ours was the 40th. It's also the largest and most prestigious conference in signal processing worldwide.

Through the Call for Papers, we received 2,505 submissions, of which we accepted 1,359 papers for presentation. The acceptance rate for regular papers was 52%. Our technical program featured 5 plenary speakers, 17 three-hour tutorials and 149 oral & poster sessions. A new initiative for the Brisbane conference was the "School of ICASSP", a series of 16 one-hour invited lectures on the big topics in signal processing that have emerged in the last decade.

Our attendees were of very diverse nationalities. In total, 1,783 people registered for the conference. Of these, 88% were international visitors

from at least 44 different countries.

Besides the technical program, there were social, professional, cultural and student-focused functions. These included a welcome reception, a conference banquet (at City Hall), a free tour of the Museum of Brisbane, the final of the "Signal Processing Cup" international student competition, a "Women in Signal Processing" luncheon and a "Student Career" luncheon.

We were very successful in attracting sponsorship and patronage. Our patrons included The University of Queensland (exclusive opal patron), QUT, Apple, Baidu and the ARC Communications Research Network (gold patrons & equivalent), CSIRO, DSTO, Google and Mathworks (silver patrons), amazon.com, the Australian Pattern Recognition Society, Datamall, Elsevier, facebook, Microsoft, NICTA and Nuance (bronze patrons & equivalent). The Brisbane City Bid Fund and Brisbane Marketing also provided very significant financial and in-kind support.

IEEE Queensland Section was instrumental in its support for the conference. Letters of support were written in the bidding stages. Very importantly, ICASSP was able to make use of Queens-

land Section's banking facilities, ABN and GST registration.

Another important contribution to the success of ICASSP was made through the UQ Student Branch. The UQSB organised a student night at the Tomahawk Kitchen & Bar, offering students (and others) at ICASSP the opportunity to mix with local students. This event attracted 99 attendees.

For the four days of the main technical program, we had booked out almost the entire "Merivale St." convention space. Breakout and administrative meetings also took place in the "Grey St." space and in the conference hotel, Rydges.

It is the largest organisational effort that I have yet overseen. The event had a \$1.7m budget and employed the assistance of two professional conference organisers, Arinex Pty. Ltd. and Conference Management Services Inc. Our volunteer organising committee had sixteen members, the

technical program committee had thirty members, and over two thousand reviewers gave advice on paper acceptance. We were especially well served by our army of thirty student volunteers, drawn from universities across south-east Queensland.

ICASSP 2015 proved to be an outstanding success. I received overwhelmingly, perhaps exclusively, positive feedback from the attendees. The event ran very smoothly and on budget. The technical program was of the highest calibre and the social events were very well attended. We filled up hotels across Brisbane for a week and generated an estimated \$5m in economic activity for the region.

Personally, I had a blast. Would I do it again? Don't ask me right now — maybe in six months time. But I could recommend the experience to anyone else.

Vaughan Clarkson
General Co-Chair, ICASSP 2015



General Co-Chair ,Vaughan Clarkson (left), and Local Arrangements Chair; Andrew Bradley (right), promoting Brisbane at ICASSP 2014 in Florence.



The conference welcome reception in BCEC's Great Hall 3&4.



The conference opening ceremony in BCEC's Great Hall 1&2.



The conference banquet at City Hall opened with hors d'oeuvres served in King George Square.

Queensland Section Office Holders

Office	Office holder	Contact
Section Officers		
Chair	Garry Einicke	Garry.Einicke@csiro.au
Vice-chair	Daniel Eghbal	m.eghbal@ieee.org
Secretary	Tony Sahama	t.sahama@qut.edu.au
Treasurer	Mike Robinson	blackmagic@computer.org
Immediate Past Chair	Tapan Saha	saha@itee.uq.edu.au
Newsletter Editor	Hugo Espinosa	h.espinosa@griffith.edu.au
Webmaster	Mike Robinson	blackmagic@computer.org
Professional Activities	Alireza Jolfaei	alireza.jolfaei@griffithuni.edu.au
Membership Development	Yateendra Mishra	yateendra.mishra@qut.edu.au
Awards and Recognition	Preethi Preethichandra	d.preethichandra@cqu.edu.au
Student Activities	Vacant	
Educational Activities	Kalum Udagepola	kalum_udage@yahoo.com
Engineers Australia Liaison	Tapan Saha	saha@itee.uq.edu.au
Teacher-in-Service Program	Mike Robinson	blackmagic@computer.org
Chapter Officers		
Aerospace and Electronic Systems Society		
Chair	Robert Kennedy	Robert.Kennedy@ausaero.com.au
Vice-chair	Vacant	
Secretary	John Davies	jdavies@parallaxprojects.com
Australian Oceanic Engineering Society		
IEEE Queensland Section representative	Navinda Kottege	Navinda.Kottege@csiro.au
Computational Intelligence Society		
Chair	Andrew Lewis	a.lewis@griffith.edu.au
Vice-chair	Amin Gharipour	a.gharipour@griffith.edu.au
Secretary	Zahra Jadidi	zahra.jadidi@griffithuni.edu.au
Computer Society		
Chair	Tomasz Bednarz	tomasz.bednarz@computer.org
Vice-chair	Ruslan Puscasu	r.puscasu@uq.edu.au
Secretary	Mike Robinson	blackmagic@computer.org
Control Systems Society		
Robotics and Automation Society		
Joint Chapter		
Chair	Michael Kearney	m.kearney@uq.edu.au
Vice-chair	James Brodie	james.brodie@cub.com.au
Secretary	Vacant	

Office	Office holder	Contact
Engineering in Medicine and Biology Society		
Chair	Steve Wilson	s.wilson@uq.edu.au
Vice-chair	Mohan Karunanithi	Mohan.Karunanithi@csiro.au
Secretary	Vacant	
Microwave Theory & Techniques Society		
Antennas & Propagation Society		
Joint Chapter		
Chair	Greg Hislop	greg.hislop@csiro.au
Vice-chair	Konstanty Bialkowski	konstanty@ieee.org
Secretary	Antony Lui	h.lui@uq.edu.au
Power & Energy Society		
Dielectrics and Electrical Insulation Society		
Joint Chapter		
Chair	Chandima Ekanayake	c.ekanayake@griffith.edu.au
Vice-chair	Nilesh Modi	n.modi@ieee.org
Secretary	Ruifeng (Richard) Yan	r.yan@uq.edu.au
Signal Processing Society		
Communications Society		
Joint Chapter		
Chair	Andrew Bradley	bradley@itee.uq.edu.au
Vice-chair	Vaughan Clarkson	v.clarkson@uq.edu.au
Secretary	Dharmika Jayalath	dhammika.jayalath@qut.edu.au
Society on Social Implications of Technology		
IEEE Queensland Section representative	Samuli Haataja	s.haataja@griffith.edu.au
Women in Engineering		
Chair	Alexandra Posoldova	alexandra.posoldova@griffithuni.edu.au
Vice-chair	Bafrin Zarei	bafrin.zarei@griffithuni.edu.au
Secretary	Marie Luise Wille	m.wille@qut.edu.au
Young Professionals Program		
Chair	Mohammad Amanzadeh	m.amanzadeh@uq.edu.au
Vice-chair	Reuben Peterkin	reuben.peterkin.au@ieee.org
Secretary	Vacant	

Office	Office holder	Contact
Student Counsellors		
Central Queensland University - Brisbane	Mary Tom	m.tom@cqu.edu.au
Central Queensland University - Rockhampton	Edward Palmer	e.palmer@cqu.edu.au
Griffith University - Gold Coast	Jahangir Hossain	j.hossain@griffith.edu.au
Griffith University - Nathan	Sascha Stegen	s.stegen@griffith.edu.au
Queensland University of Technology	Seyit Camtepe	seyit.camtepe@qut.edu.au
The University of Queensland	Vaughan Clarkson	v.clarkson@uq.edu.au
The University of Queensland (PES)	Tapan Saha	saha@itee.uq.edu.au
University of Southern Queensland	Paul Wen	peng.wen@usq.edu.au
Student Branches		
The University of Queensland		
Chair	Jeremy Taylor	jeremy.taylor2@uq.net.au
Vice-chair	Michael Broe	michael.broe@uq.net.au
Secretary	Ellie Deeb	e.deeb@uq.edu.au
Treasurer	Muhammad Badri Mhd Noor	muhammad.mhdnoor@uq.net.au
The University of Queensland (Power & Energy Society)		
Chair	Jaroslav Krata	j.krata@uq.edu.au
Vice-chair	Hanxiao Zhang	hanxiao.zhang@uq.net.au
Secretary	Vacant	
Treasurer	Vacant	
Central Queensland University (Brisbane Campus)		
Chair	Sujan Chowdhury	sujan.chowdhury@cqumail.com
Vice-chair	Vacant	
Secretary	Juan Munoz Carpio	j.munoz@cqu.edu.au
Treasurer	Arash Daneshvar	daneshvar.arash@cqumail.com

2016 Call for Nominations for IEEE Queensland Section office holder positions

All positions within the Queensland Section and its Chapters and Affinity Groups will be vacant in 2016. The term will be from 1st January to 31st December, 2016.

Names of past and current section office holders can be found on Queensland section's [website](#).

Nominations for the section, chapters and affinity groups should be submitted to the Chair of the relevant nominating committee by email to the given address by October 16th 2015.

The following pages include 'call for nomination' letters for the 2016 IEEE Queensland Section elections. Please read the letters and consider nominating for any positions that you may be eligible for.

2015 Call For Nominations Officers and Members for the Executive Committee of the IEEE Queensland Section

PROF. NEIL BERGMANN
bergmann@itee.uq.edu.au

Dear members,

The Queensland Section of IEEE has a proud tradition of volunteer service to the community of technology professionals.

Worldwide, the IEEE has over 429,000 members in more than 160 countries. The Queensland Section was established in 1985 and has been growing strongly in recent years and currently has close to 1100 members. Moreover, the Section is in a financially strong position with over \$80,000 in reserve to support member activities.

I am now calling for nominations for officers and members of the IEEE Queensland Section executive committee in 2016.

According to the IEEE MGAB manual that governs our Section, all elected offices and other positions on the executive committee will become vacant on 31st December, 2016. I am therefore calling for nominations for the elected offices of:

- Chair
- Vice Chair
- Treasurer
- Secretary

Eligibility: To be eligible, a nominee must be an active (i.e., financially current) IEEE member of the Graduate Student Member, Member, Senior Member or Fellow grade and belong to the Queensland Section. Volunteers who have served two consecutive years in office immediately prior to 2014 are ineligible for further service in the same office.

Term: The new committee will serve from 1st January until 31st December, 2016.

Duties: The duties of the officers are as follows:

1. The Section Chair shall serve as Chair for all meetings of the Section, the Section Committee and the Section ExCom.
2. The Section Vice-Chair shall assist the Chair in the coordination of all Section activities. At the request of the Section Chair or in the absence of the Section Chair, the Section Vice-Chair shall chair meetings of the Section Executive Committee.
3. The duties of the Section Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting and officer reports to the Member and Geographic Activities Department at the end of each year and such other duties as are assigned to him/her by the Chair.
4. The duties of the Section Treasurer shall include the development of a Section budget for approval by the Section, accounting of all Section funds, keeping financial records, and submitting the Financial Operations Report of the Section to the IEEE Staff Director, Financial Services.

Furthermore, I am also calling for nominations for the positions of:

- Chairs of the following Standing Committees:
 - Membership Development and Email Committee
 - Professional/Career Activities Committee
 - Student Activities Committee
 - Educational Activities Committee
 - Awards & Recognition Committee
- Webmaster
- Newsletter Editor

Nominations should be submitted to me as the Chair of the Section Nominating Committee by email to the address given below by October 16th 2015.

The Nominating Committee will then prepare a list of candidates for Chair, Vice-Chair, Secretary and Treasurer for election by Section members (if necessary) in accordance with IEEE by-laws. The other positions mentioned above will be confirmed (or elected if necessary) at the Section's Annual General Meeting.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

Prof. Neil Bergmann
Chair, IEEE Queensland Section Nominating Committee for 2015
Email: bergmann@itee.uq.edu.au

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION AEROSPACE AND ELECTRONIC SYSTEMS CHAPTER

Dr. Damien Dusha
d.dusha@gmail.com

Dear members,

The Queensland Aerospace and Electronic Systems Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: : To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of AEROSPACE AND ELECTRONIC SYSTEMS Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive Committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws. IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

Damien Dusha
Chair, IEEE Queensland Section Aerospace and Electronic Systems Chapter Nominating Committee
Email: d.dusha@gmail.com

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION COMPUTATIONAL INTELLIGENCE CHAPTER

Associate Professor Marcus Gallagher
marcusg@itee.uq.edu.au

Dear members,

The Queensland Computational Intelligence Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of Computational Intelligence Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

A./ Professor Marcus Gallagher
Chair, IEEE Computational Intelligence Chapter Nominating Committee
Email: marcusg@itee.uq.edu.au

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION COMPUTER SOCIETY CHAPTER

Dr. Jun Zhou
jun.zhou@griffith.edu.au

Dear members,

The Queensland Computer Society Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of Computer Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

Dr. Jun Zhou
Chair, IEEE Computer Society Chapter Nominating Committee
Email: jun.zhou@griffith.edu.au

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION CONTROL SYSTEMS/ROBOTICS & AUTOMATION CHAPTER

Michael Lees
Michael.Lees@ieee.org

Dear members,

The Queensland Control Systems/Robotics & Automation Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of either Control Systems or Robotics & Automation Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

Michael Lees
Chair, IEEE Control Systems/Robotics & Automation Chapter Nominating Committee
Email: Michael.Lees@ieee.org

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY CHAPTER

Dr. Philip Terrill
pterrill@itee.uq.edu.au

Dear members,

The Queensland Engineering in Medicine & Biology Society Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December, 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of SECTION ENGINEERING IN MEDICINE AND BIOLOGY Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

Philip Terrill
Chair, IEEE QLD Section Engineering in Medicine & Biology Chapter Nominating Committee
Email: pterrill@itee.uq.edu.au

**Call for nominations Chapter Officers for the 2016 Committee of The
IEEE QUEENSLAND SECTION MICROWAVE THEORY AND TECHNIQUES
(MTT) AND ANTENNAS AND PROPAGATION (AP) CHAPTER**

Associate Professor Aleksandar Rakic
rakic@itee.uq.edu.au

Dear members,

The Queensland Microwave Theory and Techniques (MTT) and Antennas and Propagation (AP) Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: : To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of either Microwave Theory and Techniques (MTT) or Antennas and Propagation (AP) Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

A./Prof. Aleksandar Rakic
Chair, IEEE QLD Microwave Theory and Techniques (MTT) and Antennas and Propagation (AP) CHAPTER Nominating Committee
Email: rakic@itee.uq.edu.au

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION POWER and ENERGY SOCIETY & DIELECTRIC AND ELECTRICAL INSULATION JOINT CHAPTERS

Professor Tapan Saha
saha@itee.uq.edu.au

Dear members,

The Queensland POWER & ENERGY SOCIETY AND DIELECTRIC and ELECTRICAL INSULATION JOINT CHAPTER prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of Power and Energy Society & Dielectric and Electrical Insulation joint chapters.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. The Nominating Committee, being Dr Ramesh Bansal, Ms. Alex Price and I, will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

Tapan Saha
Chair, IEEE QLD Section PES and DEIS Joint Chapter nominating Committee
Email: saha@itee.uq.edu.au

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION SIGNAL PROCESSING & COMMUNICATIONS CHAPTER

Associate Professor Bouchra Senadji
b.senadji@qut.edu.au

Dear members,

The Queensland Signal Processing & Communications Chapter prides itself on its efforts to sustain and grow our technical community through the organisation of seminars and activities that inform our members of latest developments as well as promote collegiality and networking. All elected offices and other positions on the executive committee will become vacant on 31st December 2015. The Chapter Nominating Committee is therefore seeking nominations of volunteers for offices in the new Chapter committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member of either Signal Processing or Communications Society.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The Chapter Chair shall serve as Chair for all meetings of the Chapter and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The Chapter Vice-Chair shall assist the Chair in the coordination of all Chapter activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the Chapter or represent the Chapter at the Section Executive committee meetings.
3. The duties of the Chapter Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of the Chapter Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Chapter members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,

A./Professor Bouchra Senadji
Chair, IEEE Signal Processing & Communications Chapter Nominating Committee
Email: b.senadji@qut.edu.au

Call for nominations Chapter Officers for the 2016 Committee Of The IEEE QUEENSLAND SECTION YOUNG PROFESSIONALS PROGRAMS AFFINITY GROUP

Dr. Damien Dusha
d.dusha@gmail.com

Dear members,

Queensland Young Professionals Program (formerly known as GOLD) affinity group is a vibrant community of engineers, scientists, and technical experts. Young Professionals Program members have a wide variety of benefits and opportunities available to them through IEEE membership. These highlighted benefits are geared towards the needs and interests of young professionals and revolve around professional growth, community, and technical development. All elected offices and other positions on the executive committee will become vacant on 31st December, 2015. Young Professionals Program Nominating Committee is therefore seeking nominations of volunteers for offices in the new executive committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member Young Professionals Program.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The affinity group Chair shall serve as Chair for all meetings of the affinity group and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The affinity group Vice-Chair shall assist the Chair in the coordination of all affinity group activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the affinity group or represent the affinity group at the Section Executive committee meetings.
3. The duties of the affinity group Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of Young Professionals Program Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by Young Professionals Program members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,
Damien Dusha
Chair, Young Professionals Program Nominating Committee
Email: d.dusha@gmail.com

Call for nominations Chapter Officers for the 2016 Committee of The IEEE QUEENSLAND SECTION WOMEN IN ENGINEERING (WIE) AFFINITY GROUP

Associate Professor Vaughan Clarkson
v.clarkson@uq.edu.au

Dear members,

Queensland Women in Engineering affinity group is a vibrant community of engineers, scientists, and technical experts. The mission of IEEE WIE is to facilitate the global recruitment and retention of women in technical disciplines. IEEE WIE envisions a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity. All elected offices and other positions on the executive committee of WIE Queensland will become vacant on 31st December, 2015. WIE Nominating Committee is therefore seeking nominations of volunteers for offices in the new executive committee who would be prepared to further its mission. Nominations are sought for the positions of Chair, Vice-Chair and Secretary.

Eligibility: To be eligible, a nominee must be an IEEE Graduate Student Member, Member, Senior Member or Fellow grade and a member WIE affinity group.

Term: The new committee would serve until 31st December 2016.

Duties: The duties of the officers are as follows:

1. The affinity group Chair shall serve as Chair for all meetings of the affinity group and be its representative on the Queensland Section Executive Committee (which meets once a month).
2. The affinity group Vice-Chair shall assist the Chair in the coordination of all affinity group activities. At the request of the Chapter Chair or in the absence of the Chapter Chair, the Chapter Vice-Chair shall chair meetings of the affinity group or represent the affinity group at the Section Executive committee meetings.
3. The duties of the affinity group Secretary shall include correspondence, the keeping of the minutes of the Committee meetings, mailing notices, and submission of meeting reports to the Queensland Section Secretary or Secretary/Treasurer and to IEEE Headquarters directly at the end of each year and such other duties as are assigned to him/her by the Chair.

Nominations should be submitted to me as the Chair of WIE Nominating Committee by email to the address given below by **16 October 2015**. I with the nominating committee will then prepare a list of candidates for election by WIE members in accordance with IEEE by-laws.

IEEE and its membership greatly value the contributions of its volunteers. I hope you will consider volunteering for an office in the new committee.

Yours faithfully,
A./Professor Vaughan Clarkson
Chair, WIE affinity group Nominating Committee
Email: v.clarkson@uq.edu.au