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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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We have amazing energetic people on our Queensland Section. Congratulations to our IEEE Women in Engineering team, led by Alexandra Posoldova, Bafrin Zarei and Marie-Luise Wille, who have organised a number of successful events this year. There exist research results which indicate that improved gender diversity can lead to more successful innovations. The WIE team's efforts will hopefully encourage engineers in our organisations to strive in this direction and better compete in the global marketplace.

There is a good deal of work happening behind the scenes. For example, Peter Corke is working on the organisation of the IEEE International Conference on Robotics and Automation (ICRA) to be held in Brisbane in May 2018. Robert Kennedy and Vaughan Clarkson are in the process of requesting approval for the Radar 2018 Conference to be held in Queensland. Tapan Saha, Chandima Ekanayake and Nilesh Modi are well advanced in organising the IEEE PES Asia-Pacific Power and Energy Engineering Conference 2015 in Brisbane (see [APPEEC](#)).

Our Webmaster, Mike Robinson, has been developing a [new website](#) for the IEEE Australia Council and it is nearing completion. He has made the website 'smart phone friendly' for the major mobile phones and tablets in the market. Please contact Mike if you are having trouble accessing our websites. As usual, feel free to contact a member of our team if we can support your engineering and research in some way.

The logo features the IEEE diamond symbol in the top left, with the text 'Queensland Section' in a serif font to its right. Below the diamond is the IEEE logo. A large, stylized 'WIE' is centered, with 'IEEE Women in Engineering' written in a purple, curved font above it. Below the 'WIE' are four bullet points: 'Inspire', 'Engage', 'Encourage', and 'Empower'. At the bottom, it says 'Find us on:' followed by a globe icon and 'www.ieee-qlld.org/' and a Facebook icon and 'www.facebook.com/ieeewieqld'.

IEEE Women in Engineering Qld Section

Newsletter editor's report



HUGO G. ESPINOSA
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Hello, and welcome to the 3rd 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 June 2015.

This issue contains a series of successful events from different chapters and groups, which took place during the past months. In addition, 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. There will be one more issue in December 2015, I hope you find the newsletters 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.

Webmaster's report



MIKE ROBINSON
blackmagic@computer.org

As alluded to in my previous report in April, I have been immersed for the last few months in studying responsive web design (RWD) as a prelude to converting the section's ageing website to a more modern format. Earlier this year I built a modern-looking portal to provide access to the old website, but the portal doesn't render very well on smart phones or tablets, so it too has to be converted to RWD.

There are several schools of thought in the RWD world. One school favours having two websites, one for mobile devices and one for conventional computer devices. Device detection is used to direct web browsers to the appropriate site. This method has the advantage that only one of the sites has to be developed with mobile devices in mind, but maintaining two websites is a considerable disadvantage in itself. The ABC's website adopts this approach but strangely allows smart phone users to switch to standard mode, which I always do.

The dominant school of thought is called 'mobile first'. As the name implies, developers are encouraged (nay, commanded!) to concentrate on designing for mobile devices in the first instance, then expanding the design into the realm of conventional computer devices. This is not as easy as it sounds since most web developers are unfamiliar with the requirements of smaller viewing screens, but in principal it is a worthy strategy.

The final strategy, not much favoured by purists, is to retrofit mobile browser requirements into an existing wide-screen design. This method is considered to be the most labour intensive of the three. I can concur on that point.

A discerning reader might be wondering at this stage why mobile devices can't display standard websites, albeit at a restricted viewing size. The truth is this is possible, but it can produce awkward-looking results requiring the use of horizontal scroll bars or swiping

the screen in order to magnify text and images so they can be viewed comfortably. However, it is much better to display the content so that it fits naturally within the viewing area, or viewport, of each mobile device.

Mobile devices have two viewing modes, portrait and landscape, which further complicates RWD. A design that looks great in landscape mode will most likely break in portrait mode. So the designer has to employ two strategies, one for portrait and one for landscape. Font sizes and image sizes, or even the information content, may have to be adjusted when a device moves between portrait and landscape modes.

Drop-down menus, common on conventional websites, become impossible to deploy on many smaller mobile devices because of the limited viewport areas, requiring different strategies to allow viewers to make selections. The hamburger menu showing three or four horizontal bars, much despised by purists, has become a standard feature in mobile web design.

Further complicating RWD is the non-standard way manufacturers design mobile hardware. In general, there are two broad standards for smart phones. The earlier phones tend to have a 320 pixel by 480 pixel viewport, and the later phones are generally 360 pixels by 640 pixels. But some phones in both categories can have much wider landscape viewports. The Apple iPhone 5 is 320 pixels by 568 pixels, almost 25% wider than the standard landscape viewport for this phone category.

Designing content that looks natural in all the different viewports is the real challenge of RWD. I won't discuss the technical details of how it is accomplished, other than to say that it is far more complicated than designing a standard website. There are frameworks available to assist web designers, but they also have to be mastered and some of them are not as mature as one

would expect them to be.

I was appointed webmaster for the Australia Council's [website](#) earlier in the year. The site needed a complete redesign but it isn't a very big site so I have been able to use it as a responsive-design learning tool. Nevertheless, it has taken almost three months of intensive work to develop a framework that works consistently across several different mobile devices.

I started with a conventional wide-screen design, breaking all the rules. My excuse is that I don't own a smart phone. Happily the wide-screen design works flawlessly on an 800 by 1200 tablet. A generous friend loaned me a 360 by 640 Samsung smart phone which I used to scale the design down to that level. I hope to have the design scaled down to work on 320 by 480 devices by the time you read this article, as well as conquering the more esoteric devices that fall outside the two major standards.

It is not possible to design for mobile devices using a computer or laptop. By scaling down a computer's browser it is possible to approximate what might happen on a mobile phone, but there is no guarantee that the phone's browser will render the content exactly the same way as the computer's browser does. There is also the problem of flipping between landscape and portrait

mode on phones, which computers can't simulate accurately.

In the course of getting to this stage I have developed a framework that will be used to rebuild the section's website, which has approximately 100 web pages, all of which will have to be redesigned in RWD mode. The framework is light and fast, consisting of standard HTML5, CSS and Javascript.

HTML5 is used to describe the content of each web page. CSS (cascading style sheets) governs the layout of the content, prescribing fonts, font sizes, and where content will appear in relation to other content.

Javascript provides the mechanism for switching dynamically from one viewport size to another, as when a device moves between portrait and landscape modes. Javascript is also used to dynamically vary font and image sizes, augmenting CSS in this role.

Web design is far more complicated now than it has ever been before. It is no longer a field where amateurs can get up a passable website. Future section webmasters will need appropriate skills to cope with the complexity posed by responsive web design.

Student Activities



RANJU MANDAL

ranju.mandal@griffithuni.edu.au

I would like to introduce myself, I am the new Student Activities Chair. I am a PhD scholar at the School of Information and Communication Technology, Griffith University, Australia since August 2012. I gained three years of research experience on Document Image Analysis (DIA) in the CVPR unit at the Indian Statistical Institute, Kolkata. I obtained a Masters Degree in Computer Application from the West Bengal University of Technology, Kolkata, India in 2007, and a Bachelor Degree in Computer Application from the Burdwan University, India in 2003.

My research interest includes DIA, Handwritten Signature Analysis and Pattern Recognition using advanced machine learning techniques. I was appointed to the position of Section Student Activities Committee Chair to promote student activities in all IEEE student organisations. I am excited about this opportunity and to encourage more student engagement. I will be working with student officers, counsellors, and mentors, as well as the regional leadership team to ensure that the section has a strong and vital student activities program.

Women In Engineering Affinity Group



ALEXANDRA POSOLDOVA
alexandra.posoldova@griffithuni.edu.au

Committee:

Chair: Alexandra Posoldova

Vice-chair: Bafrin Zarei

Secretary: Marie Luise Wille

After an inspiring event in July, where our members had the opportunity to meet four successful ladies from different research and industry areas, we bring two new events in September. We are excited to invite you to the Perfect Pitch workshop and “3 Minute Competition”. Both events are hosted by the professional coach on public speaking, Jane Mott. The motto of these events is: “Talk less, say more”. You will learn how to express yourself clearly and effectively in few moments. Leave a good first impression and be more influential in your talks.

The one hour workshop will be followed by a competition, where everyone has chance to win. Prepare a 3 minutes talk, with emphasis on presentation skills not the content so you can be at any stage of your professional path. Increase your chances to win by attending the workshop. Both events will be followed by afternoon tea and networking. But hurry up and register, the places for the competition are limited to 15 spots! **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!

Perfect Pitch Workshop

Date: 16th of September 2015, 3-5pm

Place: Room Z-207 (Z-block), Queensland University of Technology, Gardens Point Campus, Brisbane

Speakers: Public speaking coach Jane Mott

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

Perfect Pitch 3 Minute Competition

Date: 30th of September 2015, 3-5pm

Place: Room Z-207 (Z-block), Queensland University of Technology, Gardens Point Campus, Brisbane

Committee:

Public speaking coach Jane Mott

WiE Chair Alexandra Posoldova

WiE Vice Chair Bafrin Zarei

WiE Secretary Marie-Luise Wille

Prize: WiE T-shirt, 25\$ voucher, IEEE USB hub

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



Women in Research event



Attendees in Lecture Room

Control Systems/Robotics & Automation Societies Chapter



MICHAEL KEARNEY
m.kearney@uq.edu.au

Committee:

Chair: Michael Kearney

Vice-chair: James Brodie

It has been a slow start to the year for the Control Systems/Robotics and Automation Chapter, but all that is changing in the second half of 2015.

July saw the introduction of the (typically) fourth Tuesday of the month Classical and Consequential Control Composition Conversation (CCCCC) discussion group. In this group, we usually read one of the classic papers of control engineering and then discuss it in a group in a relaxed setting over a few drinks. To kick this off we went right back to the first control theory paper, James Clerk Maxwell's (of Maxwell's equations fame) paper "On Governors", which analysed the stability of James Watt's Steam Governor by looking at the characteristic equation. This work formed the precursor for the Routh-Hurwitz criterion which we all studied in undergraduate control engineering. The paper also gave us insight into the roots of PID control. We also noted how journal composition has changed

since the mid 1800's.

The August paper was "Regeneration Theory" by Harry Nyquist, who formed part of the triad of Black, Nyquist, and Bode, who made significant advances in control while working on telephone amplifiers at the famous Bell Labs in the 1920's and 1930's. Nyquist produced the first frequency response approach for analysing the stability of the system. This paper inspired interesting discussions about the way Nyquist present his results, and how this could have been done more efficiently.

For September we are very grateful to have Vaughan Clarkson leading the discussion on the Wiener Filter, which was the first optimal filter designed using statistics, and is important to both signal processing and communications as well as control. We hope that you can join us at the brewhouse.

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

In the last few months, since our last update in the Q2 newsletter, we have had a number of technical seminars hosted by our chapter, each from highly distinguished researchers in our field.

The first of these was a distinguished lecturer from the MTT society, Prof. Mona Jarrahi from the University of California, Los Angeles.



Prof. Mona Jarrahi

She presented a talk on “New Frontiers in Terahertz Technology”. Terahertz frequencies have many possible applications, which range from chemical and material characterisation to medical imaging. One major challenge is how to generate and detect terahertz signals with adequate power and performance. In her

talk, Mona described some photoconductive terahertz sources which use plasmonic antennas that mix optical laser frequencies down to terahertz.

The next talk was also from a distinguished lecturer from the MTT society, Prof. Mahdu Gupta from the University of California San Diego/San Diego State University.



Prof. Mahdu Gupta

Mahdu was a past president of the MTT society and has extensive wisdom on the purpose of “Microwave Engineering”. Very fittingly, he gave a speech for graduate students and researchers preparing for, or considering a career in the field of RF and microwave engineering. His speech was entitled “Microwave En-

gineering: What is it, where is it headed, and how it serves mankind”. Some of the interesting highlights of the seminar were the technological developments and new applications driving the future of the field. He also reflected on how people in the past thought the future would look like and how much previous “science fiction” became a reality and many of these though advances in Microwave engineering. After Mahdu’s presentation, we had a Lunch sponsored by the Brisbane based company Micro Ltd. The Micro business is involved in the design and manufacturing of RF MIC and subsystems.

Lastly we had a third distinguished lecturer from the AP society, Prof. Ahmed Kishk, from the Concordia University in Montreal, Canada.



Prof. Ahmed Kishk

His talk was entitled “Different Dielectric Resonator Antenna (DRA) Arrays”. DRAs are antennas, which make use of a dielectric rather than metallic structures. Some of the benefits are their high radiation efficiency, high power capability as well as their relatively small size. They can be made from materials including water. Ahmed presented many applications of DRAs including biomedical imaging antennas as well as spatial

power combiners.

The AP and MTT society have several fellowships and awards which our student members can apply for. There are several opportunities, for both, undergraduate and postgraduate students. We are happy to announce that this time, one of the antennas and propagation society’s “IEEE Antennas and Propagation Society Research Awards” (November 2015 cycle) was awarded to Sasan Ahdi Rezaeieh. Sasan is a PhD student at the University of Queensland and his project is entitled “Portable low cost microwave system for early stage congestive heart failure detection”. Congratulations to Sasan for this prestigious award!

Please see [MTT](#) and [IEEE APS](#) for more information.

For the remaining parts of this year we still have a number of guests to give seminars. In October - APS DL Prof. Mats Gustafsson from the Lund University in Sweden will be presenting on topics relating to near-field electro-magnetics and small antennas. In November - Sudhakar Rao, Technical Fellow from Northrop Grumman Aerospace Systems in California will be presenting a talk on “Advanced Antenna Systems for Satellite Communications Payloads”.

Also this year, we have the AP conference International Symposium on Antennas and Propagation (ISAP), which will be held in Hobart, Tasmania in November, and the MTT conference Asia Pacific Microwave Conference (APMC) in Nanjing, China in December.

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

Queensland Section Office Holders

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Section Officers		
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Treasurer	Mike Robinson	blackmagic@computer.org
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Webmaster	Mike Robinson	blackmagic@computer.org
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Student Activities	Ranju Mandal	ranju.mandal@griffithuni.edu.au
Educational Activities	Kalum Udagepola	kalum_udage@yahoo.com
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Secretary	Vacant	

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Young Professionals Program		
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Treasurer	Vacant	
Central Queensland University (Brisbane Campus)		
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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 November 14th, 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.

2016 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