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Institute of Electrical and Electronics Engineers  
Queensland Section (ARBN 078576495)  
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# IEEE QUEENSLAND SECTION NEWSLETTER

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# Message from the Section Chair

**PROF. TAPAN SAHA**

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Welcome IEEE Queensland Section members. This is the third newsletter of 2013. We are in the last quarter of 2013. Our chapters and affinity groups have been organising technical and other activities throughout the year. A number of chapters are making wonderful contributions towards the benefit of their society members by organising technical and relevant activities. Noteworthy activities are being pursued by MTT/AP, PES & Signal Processing & Communication Chapters and the GOLD affinity group. Other chapters and affinity groups are also trying hard to fulfil their members expectations.

Our student branches are equally engaging their branch members through membership drive functions and other technical events. Thanks to all student branch committees and student counsellors for their hard work throughout the year.

Our Section sent two volunteers to attend IEEE Region 10 Student/GOLD/WIE Congress 2013, which was held at Hyderabad, India from July 11-14, 2013. Mr Lavish Lalwani from UQ Student Chapter and Ms Prachi Redey from GOLD affinity group have attended IEEE Region 10 Congress. They found it extremely useful for networking and volunteer experience.

It is time once again to plan for next year's executive committee. The AGM of the IEEE Queensland Section will be held on 28th of November Thursday at St Leo's College, Staff House Road, University of Queensland, St. Lucia. Election notifications for the 2014 committee will be going to all of you through this newsletter and also through e-notice. As you know, IEEE is run by volunteers and I request you to nominate yourself or a valued IEEE member for the 2014 committee.

We hope you have a wonderful IEEE activities experience in the section for the rest of the year.

Please keep updated by visiting our website: <http://ieee.org/queensland>

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## 2013 AGM & Dinner Lecture – November 28th

The Queensland Section's 2013 Annual General Meeting (AGM) and Dinner Lecture will be held at St Leo's, University of Queensland St Lucia Campus on the evening of Thursday the 28th of November.

The Annual General Meeting is your chance to be informed directly on the activities of the Section, Chapters and Affinity Groups for the year, be introduced to the 2014 volunteer office-bearers and congratulate our award winners. The AGM is followed by the Annual Dinner Lecture, the highlight of year at the Section level.

So please reserve the 28th of November for what is always an enjoyable evening. Details of the event and booking information will be communicated closer to the date.

# Update from the CQU Student Branch

**DR MARY TOM, BRANCH COUNSELLOR**

m.tom@cqu.edu.au

## **2013 CQUniversity Brisbane Campus Student Branch Executives**

**Chair:** Mr. Jose Roman Maya Zamudio

**Vice Chair:** Mr. Vikash Yadav

**Secretary:** Mr. Tarique Hussain Bozdar

**Treasurer:** Mr. Alexis Ribault

**Program Development Chair:** Mr. Chirag Mehta

## **Recent event**

### **Pizza Lunch Semester 2**

**Date:** 25th March 2013

**Venue:** CQUniversity Brisbane Campus 160 Ann Street

Following the IEEE student branch tradition in other Universities, CQUniversity Brisbane Campus student branch offered Pizza Lunch to students and staff. The event is used for providing briefing on IEEE student membership benefits and thus promoting the student branch growth. This is also essential as the current office bearers and many of the student members are graduating. Around 40 students attended the event and the Program Development Chair Chirag Mehta enthusiastically shared his positive experience as an IEEE student member and office bearer. Many students found the information appealing and expressed their interest to take membership.

# Update from the UQ Student Branch

LAVISH LALWANI

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## 2013 UQ Student Branch Executives

**Chair:** Lavish Lalwani

**Vice-Chair:** Ebrahim Khalil

**Secretary:** Mio Nakatsuji-Mather (January – July) & Jack McKinnon (July – December)

The IEEE UQ Student Branch has been constantly striving to improve its activities and how it represents IEEE in UQ. Over the past two years the student branch has seen dramatic changes and improvements in the way it operates. It has been constantly trying to build an excellent reputation for IEEE, not only for students in UQ but throughout Queensland. It has organised many activities to increase membership value and reduce membership retention rates and has tried to interact and work with the IEEE Queensland section, the University of Queensland and other student societies in UQ as much as possible.

The current branch committee has worked hard to ensure its future is in good hands and that the successive branch committee members are as committed or even more committed than the current committee members. The branch trusts that its recently elected 2014 Chair, Jack McKinnon will continue the great traditions of the branch to not only fulfil all of its responsibilities, but do an outstanding job at it. The current committee has no doubts in his ability and is confident that he and his team will take the branch to another level.

The IEEE UQ Student Branch is proud to currently be the most active student branch in Queensland and hopes, not only to continue fulfilling its duties and responsibilities in the future, but also continue to set an example for other student branches within the state of Queensland.

## Recent branch events

2013 has been an active and successful year for the University of Queensland (UQ) Student Branch and its chapters. This year the branch has organised a total of 5 events with the possibility of having 1 or 2 more towards the end of the year. In addition to this the branch was also represented in the Student Congress held in Hyderabad this year by IEEE Region 10. The following is a summary of each of the activities that was conducted by the UQ Student Branch this year.

### Pizza Lunch Semester 1

**Date:** 15th March 2013

**Venue:** University of Queensland General Purpose South Building – Level 4 Foyer.

As a tradition, the UQ Student branch offers UQ student and staff free pizzas every semester and provides a quick talk on IEEE. This tradition was kept in semester 1, 2013 on 15/03/2013 where students, staff and IEEE representatives from the Queensland Section, UQ Student Branch and The University of Queensland enjoyed a networking session

over some pizzas. The student branch had approximately 10 - 15 new members from this event.

### **Seminar by Dr. Dragan Indjin**

**Date:** 9th April 2013

**Venue:** University of Queensland General Purpose South Building – Seminar Room 420.

On 09/04/2013, the UQ Student Branch organised a visit by Dr. Dragan Indjin to give a seminar to UQ Students and Staff on the UQ St Lucia campus. Dr. Indjin was from the University of Leeds and spoke on the topic of *Terahertz quantum cascade lasers: physics and challenges in design, growth and fabrication*. The seminar increased student membership value by providing the students the opportunity to network with others and building on their technical knowledge.

### **IEEE Promotional Booth**

**Date:** 16th April 2013

**Venue:** University of Queensland Hawken Engineering Building – First Year Engineering Learning Centre.

The UQ Student Branch decided to set up a promotional booth to advertise IEEE and help some students to sign up to become IEEE members shortly after the seminar by Dr. Dragan Indjin.

### **Interview Workshop (joint event with the Australian Computer Society)**

**Date:** 30th April 2013

**Venue:** University of Queensland St Leos College Board Room.

As a joint event with the Australian Computer Society, The UQ IEEE Student branch organised an interview workshop session which lasted for three hours to help students perform better in interviews and to give them general tips on how to prepare. This workshop was designed to be very practical and hands on and therefore would have built on the skills of students.

### **Pizza Lunch Semester 2**

**Date:** 12th August 2013

**Venue:** University of Queensland Hawken Engineering Building – First Year Engineering Learning Centre.

In semester 2, 2013 the same pizza lunch tradition was again kept. This time however, the branch wanted to event to reach more students and staff and also wanted to attract some of the first year students to the event so they could find out more about who IEEE are and what were the benefits of joining IEEE. For this reason, the branch decided to organise the event in a more public and open space. On this occasion, expecting a lot more attendees, the branch invited the Queensland Section Chair, Professor Tapan Saha to give a short presentation about IEEE in Queensland and as a whole. As expected, the event had a much higher attendance rate and was very successful at publicising IEEE to the younger audience and increasing membership value.



*Prof. Tapan Saha, Queensland Section Chair, speaks at the Semester 2 Pizza Lunch*

## **IEEE 2013 Region 10 Congress Participation**

**Date:** 11th July 2013 – 14th July 2013

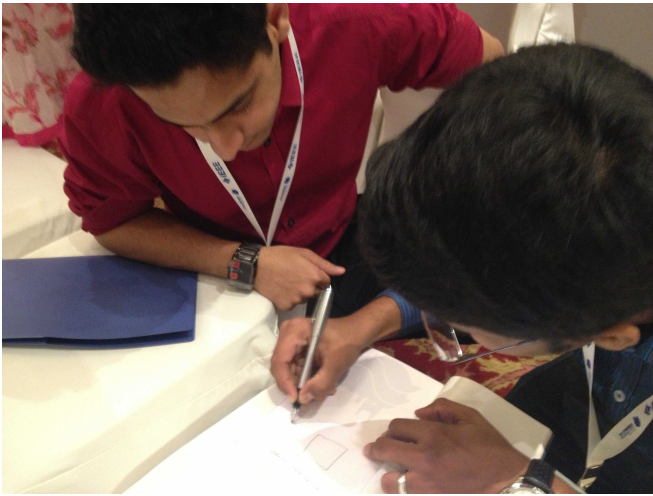
**Venue:** Taj Krishna Hotel, Hyderabad, India.

In order to study how IEEE operates in other parts of the world and improve the skills of volunteers, the IEEE Queensland Section and The University of Queensland sponsored me, as IEEE UQ Student Branch Chair, to attend the Region 10 Congress held in Hyderabad, India. My experiences at the event were very valuable and I met many other student branch executives from other states, who I intend to contact to organise events of a larger scale across Australia and New Zealand. I also brought back home many ideas on how to improve the UQ Student Branch in the future and have shared these ideas to the Branch committee and the elected 2014-committee members. In addition to this, I've been able to share information on how the IEEE Student Branch in UQ operates to the rest of the world and obtained feedback on what could be improved and done better. The branch's participation at this event built many connections between distant student branches not only within Australia and New Zealand, but all around the globe and has greatly motivated the UQ Student branch volunteers.

The activity ran over four days and on each day participants were visited by many guest speakers and experts from both within IEEE and outside. These guest speakers who were from within IEEE, organised seminars to train participating volunteers on how to become future leaders in their field and become more involved with IEEE. The industry experts that visited the participants gave very interesting technical seminars that help enhance the participants technical knowledge. Each night during the congress, there was a social event that gave participating volunteers the opportunity to meet, network and make new friends. Over the three nights, the social activities were a welcome dinner, gala dinner and awards ceremony and a cultural night.

Some of the highlights of the trip were the time I spent with the new friends I made. I met many representatives of the different IEEE Sections in Australia, New Zealand and many other parts of the world. Not only were the time I spent socially visiting India with them were highlights, but the serious chats about the future of IEEE, engineering and improving our local IEEE Sections were as well. I would say the most valuable and best experience from the activity was meeting and engaging with other like-minded engineers and volunteers. The knowledge I gained from these interactions far outweighs what I learnt in University, training sessions and seminars.





A



B

*A: Lavish Lalwani (left) participating in a networking activity with another IEEE member at the R10 Congress*

*B: Lavish Lalwani (right) attending the R10 Congress Gala Dinner with Subodha Charles (left), Secretary of the University of Moratuwa Student Branch, Sri Lanka*



*Lavish Lalwani with the Australian and New Zealand Delegates at the R10 Congress Cultural Night*

# Update from the GOLD Affinity Group

PRACHI REDEY, VICE CHAIR  
&  
MS ALEXANDRA PRICE, CHAIR  
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## GOLD R10 Student/WIE/GOLD congress report - by Prachi Redey



*Delegates from Australia and New Zealand attending the Congress Gala Night*

This year I was offered the opportunity to represent QLD GOLD at the R10 Student/WIE/GOLD congress in Hyderabad in June 2013. Not only did it provide me with the opportunity to understand IEEE but to meet some great fellow volunteers from around the world – especially the Australian and New Zealand contingent at the Congress formed a great rapport, even performing the Haka together on the cultural night, laying the foundations for a joint student/GOLD cross-Tasman conference in the near future.



*The venue – Taj Krishna Hotel, Hyderabad, India*



*The IEEE Presidents address delegates*



The congress was not only informative but also a lot of fun – the city tours, the amazing food and the events organised at the conference are some of it. This gave me the opportunity to also visit the city of Hyderabad for the first time – a beautiful city at the junction of the past and future – this city has managed to keep its rich history while embracing today's technology!

### **Upcoming event - What is Leadership?**

Come along and hear about leaders' experiences with leadership followed by networking with fellow Graduates Of the Last Decade.

**Where:** Brisbane Room, Energex Newstead Office, 26 Reddacliff St, Newstead, QLD 4006

**When:** Thursday 10th October 2013 3:00-4:30pm

**Cost:** Free

**Registration:** [https://meetings.vtools.ieee.org/meeting\\_registration/register/20707](https://meetings.vtools.ieee.org/meeting_registration/register/20707)

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## Update from Women In Engineering (WIE) Affinity Group

**DR MARY TOM**

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### **Recent events**

The Queensland section Women In Engineering is meeting many challenges of overall low participation of women in engineering, both in Industry and in university programs and related repercussions in organising and running events to attract and retain women in technology fields. In spite of such adverse environments, WIE has successfully organised two events and one more event is planned. The summary of the events conducted are given below.

#### **Seminar on Stress Management by Ms Petris Lapis**

**Date:** Wednesday 9th May 2013

**Venue:** 33 Adelaide Street, Brisbane

This event was organized under the leadership of IEEE Women In Engineering Chair, Dr. Mary Tom and ACS Event Manager Mrs. Colleen Garard.

The event was attended by over 40 participants including many professional men. Stress can be a debilitating element affecting professionals in various ways. The five easy steps of stress management presented by Ms. Lapis were found very simple, practical and easy to follow. Ms. Lapis is an influential speaker and the presentation was very interactive and engaging with some activities and small group discussions. The presentation lasted an hour following some interesting questions from the audience. The participants included members of Australian Computer Society and IEEE and the light refreshments provided created room for interaction and networking.

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## **Seminar on Robotics by Dr. Hanna Kurniawati**

**Date:** Wednesday 25th September 2013

**Venue:** Queensland University of Technology Gardens Point Campus

This event was organised with a light refreshments before the presentation providing networking opportunity to participants.

Dr. Kurniawati provided an interesting and educative presentation on the current state of autonomous robots, challenges ahead and the need for more passionate men and women to contribute to the field. The speech revealed the gap to fulfil our dreams of having robots that can do the many boring and tedious work for us. The talk was more focused on the the problems of generating reliable and robust motion for autonomous robots, and show some of her work in alleviating these problems.

The speaker also highlighted the substantial contributions made by very few women in the field filling gaps which made possible some of the advancements we have today. Having a small group of participants led to a serious and engaging discussion on the problems or trends that keep women away from science and technology fields and how such trends can be changed.

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# Update from the Control Systems/ Robotics & Automation Chapter

MICHAEL KEARNEY

## **Upcoming events**

The IEEE Queensland Branch Control Systems/Robotics and Automation Chapter will be holding the following seminars next week **Thursday 3rd October between 3pm and 5pm in 49-502 (Advanced Engineering Building Seminar Room)** followed by refreshments:

- Extremum-Seeking Control for Optimal Flex-Fuel Engine Performance, given by Dr Rohan Shekhar, Dept. of Mechanical Engineering, The University of Melbourne
- On Factions in Complex Systems, given by Dr Iman Shames, Dept. of Electrical and Electronic Engineering, The University of Melbourne.

Details for these talks follow.

## **Extremum-Seeking Control for Optimal Flex-Fuel Engine Performance – Dr Rohan Shekhar**

### **Abstract:**

For reasons of cost, energy security and environmental impact, there is currently significant interest in the use of alternative fuels such as ethanol and coal seam gas for internal combustion engines. It is desirable to use these fuels in their unrefined form, since the process of refining is costly and adversely affects the environment. However, the

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varying composition of the unrefined fuels can dramatically affect the performance of an engine tuned to a particular composition. Extremum-Seeking (ES) provides a non model-based closed-loop control paradigm by which the tuning process can be automated, resulting in a flex-fuel engine that is robust to changes in fuel composition. This talk will discuss the methodology behind ES and show how it can be experimentally applied to optimally tune engine parameters as the fuel composition varies.

**Biography:** Rohan Shekhar is a Research Fellow in the Department of Mechanical Engineering. Rohan received a BE (Hons) from the University of Queensland in 2006 and a PhD from the University of Cambridge in 2012. He is currently working under an ARC discovery grant with A/Prof Chris Manzie, A/Prof Michael Brear and Dr William Moase on flex-fuel engine optimisation with extremum seeking control. His research interests include Model Predictive Control (Robust and Fault-tolerant MPC) and Extremum seeking control.

## **On Factions in Complex Systems – Dr Iman Shames**

### **Abstract:**

In this talk we consider a mathematical model of social networks in which the links can have both positive and negative connotations. In accordance with a concept from social psychology called structural balance, the negative links play a key role in both the structure and dynamics of the network.

In the first part of the talk we consider the case where the links, or the relationships, evolve in time. Recent research has shown that in a nonlinear dynamical system modeling the time evolution of "friendliness levels" in the network, two opposing factions emerge from almost any initial condition. Here we study active external influence in this dynamical model and show that any agent in the network can achieve any desired structurally balanced state from any initial condition by perturbing its own local friendliness levels. We also introduce a new network centrality measure for signed networks.

In the second part we shift our focus to the case where the friendliness levels are constant and study how factions can be characterised using a simple mathematical model. We study how the structure of the graph modelling the interactions among the member of a group can be used to predict the factions in a weakly balanced network. Some results are illustrated in an international relations network using United Nations voting record data from 1946 to 2008 to estimate friendliness levels amongst various countries.

### **Biography:**

Iman Shames has recently joined the department of Electrical and Electronic Engineering, the University of Melbourne. Previously, he was an ACCESS Postdoctoral Researcher at the ACCESS Linnaeus Centre, the KTH Royal Institute of Technology, Stockholm, Sweden. He received his B.S. degree in Electrical Engineering from Shiraz University, Iran in 2006, and the Ph.D. degree in engineering and computer science from the Australian National University, Canberra, Australia in 2011. He has been a visiting researcher at ETH in 2012, Chalmers Technical University in 2011, the Delft Technical University in 2011, TU Munchen in 2011, the KTH Royal Institute of Technology in 2010, the University of Tokyo in 2008, and at the University of Newcastle in 2010 and 2005. His current research interests include optimisation, multi-agent systems, sensor networks, distributed fault detection and isolation, and security in networked systems.

# Update from the Microwave Theory & Techniques and Antennas & Propagations Chapter

DR KONSTANTY BIALKOWSKI

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## Recent events

The MTT-AP chapter has hosted eleven events for 2013, three since the last newsletter edition.

The first of these events was held in late June and was a workshop for the postgraduate and recent graduate students in our chapter. We had students from both Griffith and the University of Queensland presenting their work in a conference style presentation. It was interesting for both the presenters and audience to hear of the recent research being performed at the different universities in Brisbane. This event was scheduled before the IEEE APS conference. We aim to have another such event before the IEEE Asia Pacific Conference in Korea this year.

The second event was the first of our industry presented seminars. It was a very interesting talk by John Logan from EM Solutions regarding Broadband Satellite Communications (on-the-move). The talk clearly explained the purpose and capability of broadband satellite communication as well as the innovations which EM Solutions needed to implement to achieve the rigid specifications of less than 0.3 degrees.

The last recent event was from A/Prof Nemaï Karmakar from Monash University, Melbourne. The talk presented recent advances for chip-less RFID technology which combines both identification and sensing using smart materials. Though this tags can sense humidity, pH, impact, temperature and gases whilst still being cheap enough for mass use.

## Upcoming events

We have a number of upcoming events in the remainder of this year including the next seminar from Micro which will be held on the 10 October at 17:30 at the University of Queensland in the evening. The talk will be presented by Conrad Fontes and is entitled *Optical Links in Hostile Environments*.

In November (early November - date TBA) we will be have Dr Rowan Gilmore from EM Solutions presenting a talk entitled *Broadband wireless communications at E-Band*, and a little later in November – Prof Christophe Fumeaux from The University of Adelaide.

For full details of both the upcoming seminars as well as any of those held in the past including the seminar abstract, please check our website:

<http://ewh.ieee.org/r10/queensland/v2/doku.php/chapters:mttap:start>

# Update from the Power and Energy Chapter

**DR MEHDI (DANIEL) EGHBAL**

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## Chapter recognition

IEEE Queensland PES chapter was awarded:

- 2012 Outstanding Large Chapter Runner-up Award (This is the third year that PES chapter has won this award).
- 2012 High Performing Chapter Program Award
- Region 10 technical seminar and distinguished lecture support program fund
- Region 10 social activity programs fund

## Recent technical events

The archive of all technical seminars and distinguished lectures can be found from PES webpage:

<http://ewh.ieee.org/r10/queensland/v2/doku.php/chapters:pes:start>

### Technical Seminar – Nuclear Energy - the implications for Australia (in partnership with Engineers Australia)

**Date:** 15 July 2013

**Venue:** Engineering House, Engineers Australia

**Speakers:** Tony Irwin & Ian Lowe

*Speakers at the Nuclear Energy - the implications for Australia seminar*



*Prof. Ian Lowe*



*Mr Tony Irwin*

### Abstract:

Nuclear Energy is a very current - and highly controversial - topic of discussion, as Australia endeavours to transition



from a fossil fuel dependent to a lower carbon economy, consistent with the targets set for reducing CO<sub>2</sub> emissions. Nuclear energy, promoted as a 'clean energy' solution, is being considered as part of the future stationary energy mix. It is a highly complex process requiring exacting controls. The event provided an excellent opportunity to hear from two highly credentialed speakers on the advantages and disadvantages of proceeding along the nuclear energy path, including aspects related to technology innovation, fuel supply, energy security, risks, safety, sustainability, and long term radioactive waste storage. Each speaker presented for 30 minutes, followed by a lively Q&A session.

### Technical Seminar – Power Engineering Research at the University of Queensland (in partnership with Engineers Australia)

**Date:** 10 July 2013

**Venue:** Engineering House, Engineers Australia

**Speakers:** Professor Tapan Saha, Dr Chandima Ekanayake, Dr Richard Yan and Professor Simon Bartlett

*Speakers at the Power Engineering Research at the University of Queensland seminar*



*Prof. Tapan Saha*



*Dr Chandima Ekanayake*



*Dr Richard Yan*



*Prof. Simon Bartlett*

#### **Abstract:**

Power engineering research activities at the University of Queensland (UQ) are centred on power system analysis and condition assessment of critical power system plant. The group's research in power systems focusses on a number of challenging problems associated with the integration and optimisation of distributed renewable generation into the main national grid and local distribution networks. This includes long distance transmission of large scale geothermal power generation, the integration of solar PV connected to low voltage distribution networks and wind power intermittency issues. A significant proportion of the electricity infrastructure in Australia and other countries is aged and requires special attention. Research focus in this area involves industry orientated research and aims to deliver next generation condition assessment techniques that comprise accurate modelling and interpretative tools for power transformers, underground cables and other plant assets. Power engineering at UQ enjoys strong industry collaboration

in research both nationally and internationally. The research group is also a major partner of the Australian Power Institute. The seminar highlighted some of the group's recent research outcomes.

### **Distinguished Lecture – Substation Automation and Enterprise Data Management to Support Smart Grid**

**Date:** 5 August 2013

**Venue:** ENERGEX

**Speaker:** Mr John D. McDonald, P.E., Director, Technical Strategy & Policy Development GE Energy's Digital Energy

**Abstract:**

The purpose of this talk was to familiarize participants with substation automation, its role in enterprise data management, and their roles in supporting smart grid, or grid modernization. The IEEE standard term, Intelligent Electronic Device (IED), was defined. The three levels of integration and automation activity in the substation were discussed. IED integration and substation automation were compared and contrasted. IED operational and non-operational data are defined. The three functional communication paths from the substation to the enterprise were shown. The enterprise virtual data mart was discussed. The relationship of substation automation and enterprise data management with smart grid were discussed.



*Dr Daniel Eghbal, Mr John D. McDonald and Prof. Tapan Saha*

### **Technical Seminars – Smart Grid**

**Date:** 6 August 2013

**Venue:** The University of Queensland

**Presentation 1: Smart Grid: Concepts, Standards, Deployments and Lessons Learned**

**Speaker:** John D McDonald, P.E., Director, Technical Strategy & Policy Development GE Energy's Digital Energy

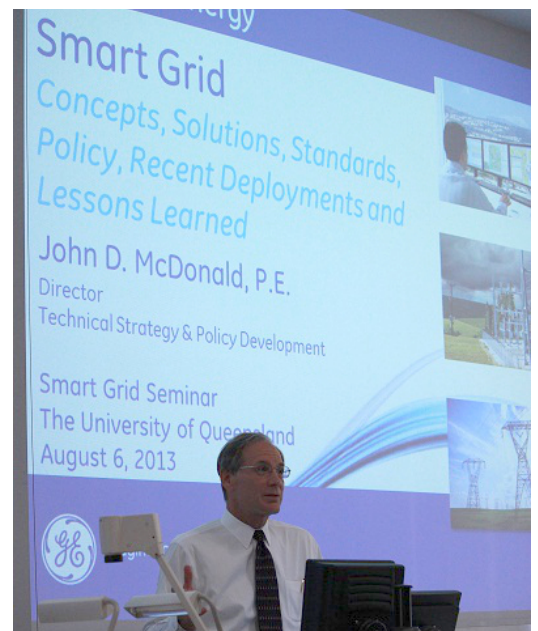
**Presentation 2: ENERGEX Smart Grid Trial**

**Speakers:**

David Wise, Future Technologies Development Manager, Energex

Aidan Roberts, Senior Future Technologies Implementation Engineer, Energex

The purpose of this talk was to familiarize participants with Smart Grid concepts and solutions, including Distribution Optimization, Transmission Optimization, Asset Optimization, Demand Optimization, Smart Meters and Communications, and Workforce and Engineering Design Optimization. Smart Grid industry standards efforts were discussed, including NIST, IEEE, CIGRE and IEC. An overview of recent Smart Grid deployments was given, including the lessons learned from the deployments.



*Mr John D. McDonald discussing the Smart Grid*

## Technical Seminar – Earthquakes and Electrical Infrastructure

**Date:** 19 August 2013

**Venue:** Energex

**Speaker:** Professor Neville Watson, University of Canterbury, Christchurch, New Zealand

This presentation gave an overview of impacts of the recent earthquakes in Christchurch city on electricity network infrastructure.

## Technical Seminar – Performance of Silicone Rubber Based Materials for Applications in Outdoor Insulation

**Date:** 11 September 2013

**Venue:** The University of Queensland

**Speaker:** Professor Stanislaw Gubanski, Chalmers University of Technology, Gothenburg, Sweden

The presentation concentrated on polymeric outdoor insulation. It illustrated general aspects as well as research activities performed in this direction at Chalmers University of Technology.



*Professor Stanislaw Gubanski being introduced to the audience by Dr Chandima Ekanayake, PES Chapter Vice Chair*

## IEEE Queensland PES Student branch at the University of Queensland

IEEE Queensland PES Chapter and UQ PES Student branch organised a site visit to the Australian Energy Market Operator (AEMO) control centre in Brisbane on 17th of September. This event was attended by 18 IEEE student members from the University of Queensland and Queensland University of Technology. Visitors were divided into two groups and for each group there was a 40-minute presentation and a 50-minute centre visit.

In the presentation session, AEMO staff gave a brief overview of the Australian National Electricity Market (NEM) and an introduction about responsibilities of AEMO control centres in Brisbane and Sydney. This presentation was followed by many interesting questions from students.

During the site visit students were guided through the control centre. First they visited training room and learnt how AEMO personnel are being trained to work during critical situation and major events in the National Electricity Market. And after that they were directed to the main control room where they could see the whole NEM power network and understand how AEMO is operating the electricity market and managing power system security.





*IEEE Student members visiting the AEMO control centre*

## Future Event

### **Technical workshop – Electrical Insulation fundamentals: Application to the condition monitoring of high voltage cables, overhead lines, power transformers, switchgear and instrument transformers**

**Date:** 11-12 November

**Venue:** Hawken Auditorium, Engineers Australia

**Registration link:**

<http://www.engineersaustralia.org.au/events/electrical-insulation-fundamentals-two-day-workshop>

Electrical insulating materials are the backbone of power transmission and distribution equipment. If the insulation properties of the material degrade and it is not able to withstand the continuous or transient voltage, the equipment will fail catastrophically. This seminar will review the fundamentals of electrical insulation. It will explain the insulating structures found in high voltage equipment such as switchgear, transformers, outdoor insulators and cables. The common insulation degradation problems such as ageing and partial discharges will be described. Standard diagnostic techniques to monitor the state of the insulation in power transmission and distribution equipment will be presented by specialists in each type of equipment.

Biographies of the speakers can be found here:

<http://tinyurl.com/eb2013spbios>

# Call for Nominations for 2014 IEEE Queensland Section Office Bearer Positions

The following pages include copies of email letters that will be sent out to IEEE Queensland Section members over the coming days. These letters are calls for nominations for all positions within the Queensland Section and its Chapters and Affinity Groups that will be vacant in 2014. Please read the letters, and consider nominating, for any positions that you may be eligible for.

## **Call for nominations: Officers & Members for the 2014 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 2014.

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, 2013. 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 would serve from 1st January until 31st December, 2014.

### **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 28 October 2013.**

The Nominating Committee, being *Prof. David Thiel, A/Prof. Vaughan Clarkson and I*, 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, due to be held on 28th of November, at St Leos College in St Lucia.

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 2014  
Email: [bergmann@itee.uq.edu.au](mailto:bergmann@itee.uq.edu.au)

## **Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section AEROSPACE & ELECTRONIC SYSTEMS SOCIETY Chapter**

**PROF. DUNCAN CAMPBELL**

da.campbell@qut.edu.au

Dear members,

The Queensland Aerospace and Electronic Systems Chapter prides itself in 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, 2013. 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 the AEROSPACE AND ELECTRONIC SYSTEMS Society.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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,

Prof. Duncan Campbell

Chair, IEEE Queensland Section Aerospace & Electronic Systems Chapter Nominating Committee for 2014

Email: da.campbell@qut.edu.au

## **Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section COMPUTATIONAL INTELLIGENCE SOCIETY Chapter**

**MR ROBERT ELLEN**

rellen@ieee.org

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, 2013. 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 the IEEE COMPUTATIONAL INTELLIGENCE SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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,

Robert Ellen Chair, IEEE Queensland Section Computational Intelligence Chapter Nominating Committee for 2014

Email: rellen@ieee.org

## Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section COMPUTER SOCIETY Chapter

**XUE LI**

xueli@itee.uq.edu.au

Dear members,

The Queensland Computer 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, 2013. 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 the IEEE COMPUTER SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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,

Xue Li Chair, IEEE Queensland Section Computer Chapter Nominating Committee for 2014

Email: xueli@itee.uq.edu.au

## **Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section CONTROL SYSTEMS SOCIETY and ROBOTICS AND AUTOMATION SOCIETY Chapter**

**DR 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, 2013. 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 the IEEE CONTROL SYSTEMS SOCIETY or the IEEE ROBOTICS AND AUTOMATION SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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 Michael Lees

Chair, IEEE Queensland Section Control Systems/Robotics & Automation Chapter Nominating Committee for 2014

Email: Michael.Lees@ieee.org



## **Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY Chapter**

**STUART CROZIER**

stuart@itee.uq.edu.au

Dear members,

The Queensland Engineering in Medicine and Biology 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, 2013. 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 the IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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,

Stuart Crozier

Chair, IEEE Queensland Section Engineering in Medicine and Biology Chapter Nominating Committee for 2014

Email: [stuart@itee.uq.edu.au](mailto:stuart@itee.uq.edu.au)

## **Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section MICROWAVE THEORY & TECHNIQUES SOCIETY and ANTENNAS & PROPAGATION SOCIETY Chapter**

**AMIN ABBOSH**

a.abbosh@uq.edu.au

Dear members,

The Queensland Microwave Theory & Techniques and Antennas and Propagation 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, 2013. 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 the IEEE MICROWAVE THEORY & TECHNIQUES SOCIETY or the IEEE ANTENNAS & PROPAGATION SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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,

Amin Abbosh

Chair, IEEE Queensland Section Microwave Theory & Techniques and Antennas and Propagation Chapter Nominating Committee for 2014

Email: a.abbosh@uq.edu.au

## Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section POWER AND ENERGY SOCIETY Chapter

**DR MITHULAN NADARAJAH**

mithulan@itee.uq.edu.au

Dear members,

The Queensland Power and Energy 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, 2013. 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 the POWER AND ENERGY SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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 Mithulan Nadarajah

Chair, IEEE Queensland Section Power and Energy Chapter Nominating Committee for 2014

Email: mithulan@itee.uq.edu.au

## **Call For Nominations: Chapter Officers for the 2014 Committee of the IEEE Queensland Section SIGNAL PROCESSING SOCIETY and COMMUNICATIONS SOCIETY Chapter**

**PROF. ANDREW BRADLEY**

bradley@itee.uq.edu.au

Dear members,

The Queensland Signal Processing and 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, 2013. 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 the SIGNAL PROCESSING SOCIETY or the COMMUNICATIONS SOCIETY.

The new committee would serve until 31st December, 2014.

### **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 Execom 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 28th October 2013. 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,

Prof. Andrew Bradley

Chair, IEEE Queensland Section Signal Processing and Communications Chapter Nominating Committee for 2014

Email: bradley@itee.uq.edu.au

## **Call For Nominations: Officers for the 2014 Committee of the IEEE Queensland Section GRADUATES OF THE LAST DECADE (GOLD) Affinity Group**

**DR DAMIEN DUSHA**

d.dusha@gmail.com

Dear members,

Queensland Graduates of the Last Decade (GOLD) Affinity Group is a vibrant community of young engineers, scientists, and technical experts. GOLD 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, 2013. The GOLD 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 GOLD affinity group (all IEEE members who have graduated with their first professional degree within the last ten years are automatically a member of IEEE GOLD). The new committee would serve until 31st December, 2014.

Nominations should be submitted to me as the Chair of GOLD Nominating Committee by email to the address given below by 28th October 2013. The nominating committee will then prepare a list of candidates for election by GOLD 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 Damien Dusha

Chair, IEEE Queensland Section GOLD Affinity Group Nominating Committee 2014

Email: d.dusha@gmail.com

## **Call For Nominations: Officers for the 2014 Committee of the IEEE Queensland Section WOMEN IN ENGINEERING Affinity Group**

**MR ROBERT ELLEN**

rellen@ieee.org

Dear members,

The 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, 2013. The 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 of IEEE WOMEN IN ENGINEERING.

The new committee would serve until 31st December, 2014.

Nominations should be submitted to me as the Chair of WIE Nominating Committee by email to the address given below by 28th October 2013. 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,

Robert Ellen

Chair, IEEE Queensland Section Women in Engineering Affinity Group Nominating Committee for 2014

Email: [rellen@ieee.org](mailto:rellen@ieee.org)

# Your 2013 IEEE Queensland Section Volunteer Office Bearers

This list is also available on the IEEE Queensland Section website at:

<http://ewh.ieee.org/r10/queensland/v2/doku.php/officebearers>

## Executive

### Section Chair

Tapan Saha  
saha@itee.uq.edu.au

### Vice-Chair

Mike Robinson  
blackmagic@computer.org

### Secretary

Rahul Sharma  
rahul.sharma@uq.edu.au

### Treasurer

Ruifeng (Richard) Yan  
r.yan@uq.edu.au

### Immediate Past-Chair

Abbas Bigdeli  
abbas.bigdeli@ieee.org

## General members

### Newsletter Editor

Robert Ellen  
rellen@ieee.org

### Membership Development Chair

Chandima Ekanayake  
chandima@itee.uq.edu.au

### Engineers Australia Liaison

Tapan Saha  
saha@itee.uq.edu.au

### Awards and Recognition Chair

Mike Robinson  
blackmagic@computer.org

### Student Activities Chair

Jack Gaynor  
jack.e.gaynor@gmail.com

### Webmaster

Nilesh Modi  
n.modi@ieee.org

## Chapter & Group Officers

### Aerospace & Electronic Systems Society

#### Chair

Garry Einicke  
garry.einicke@csiro.au

#### Vice-Chair

Steve Ashfield

#### Secretary

John Davies  
jdavies@parallaxprojects.com

### Computational Intelligence Society

#### Chair

Ross Hayward  
r.hayward@qut.edu.au

**Vice-Chair**

Jun Jo

j.jo@griffith.edu.au

**Computer Society****Chair**

Mike Robinson

blackmagic@computer.org

**Control Systems Society / Robotics and Automation Society****Chair**

John Billingsley

billings@usq.edu.au

**Graduates of the Last Decade (GOLD)****Chair**

Alexandra Price

a.price@ieee.org

**Vice-Chair**

Prachi Redey

**Secretary**

Matthew Zillmann

**Engineering in Medicine and Biology Society**

All positions vacant

**Microwave Theory & Techniques Society / Antennas & Propagation Society****Chair**

Konstanty Bialkowski

konstanty@ieee.org

**Vice-Chair**

David Ireland

**Secretary**

Morteza Shahpari

m.shahpari@griffith.edu.au

**Power & Energy Society****Chair**

Mehdi(Daniel) Eghbal

m.eghbal@ieee.org

**Vice-Chair**

Chandima Ekanayake

chandima@itee.uq.edu.au

**Secretary**

Nilesh Modi

n.modi@ieee.org

**Signal Processing Society / Communications Society****Chair**

Vaughan Clarkson

v.clarkson@uq.edu.au

**Vice-Chair**

Dhammika Jayalath

dhammika.jayalath@qut.edu.au

**Women In Engineering****Chair**

Mary Tom

m.tom@cqu.edu.au

**Vice-Chair**

Sandra Mau

sandra.mau@nicta.com.au

**Secretary**

Mahnaz Shafiei

mahnaz.shafiei@qut.edu.au