



# QUEENSLAND SECTION

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC.

ARBN 078 576 495

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**Minutes of Meeting held on June 14<sup>th</sup> 2016**  
**Venue: UQ General Purpose (South) Building, Room 78-421**

Office	Attendance	Present	Apology	Absent	Via Skype
Chair	Garry Einicke	X			
Vice Chair	Daniel Eghbal	X			
Secretary	Ghavam Nourbakhsh	X			
Treasurer	Mike Robinson	X			
Immediate Past Chair	Tapan Saha	X			
Newsletter Editor	David Russell	X			
Webmaster	Mike Robinson	X			
Professional Activities	Dian Tjondronegoro			X	
Membership Development chair	Yateendra Mishra		X		
Awards & Recognition	Preethi Chandra				X
Student Activities Chair	Jaroslav Krata		X		
Educational Activities Chair	Kalum P. Udagepola	X			
Engineers Australia Liaison	Tapan Saha	X			
TISP	Mike Robinson	X			
Women in Engineering (Chair)	Marie Luise Wille	X			
Women in Engineering (Vice chair)	Negareh Ghasemi	X			
Women in Engineering (Secretary)	Alexandra Posoldova		X		
Aerospace and Electronic Systems Chapter (Chair)	Robert Kennedy				X
Aerospace and Electronic Systems Chapter (VC)	Ken Morris			X	
Aerospace and Electronic Systems Chapter (Sec)	<i>Vacant</i>				
Computational Intelligence Chapter (Chair)	Amin Gharipour			X	
Computational Intelligence Chapter (VC)	Andrew Lewis			X	
Computational Intelligence Chapter (Sec)	Zahra Jadidi			X	
Computational Intelligence Chapter (Treasurer)	Alan Wee-Chung Liew			X	
Computer Chapter (Chair)	Tomasz Bednarz			X	
Computer Chapter (VC)	<i>Vacant</i>				
Computer Chapter (Sec)	Jingxin Xu			X	
Computer Chapter (Treasurer)	Mike Robinson	X			
Control Sys/Robo & Auto Chapter (Chair)	Luis Mejias Alvarez			X	
Control Sys/Robo & Auto Chapter (VC)	Navinda Kottege		X		
Control Sys/Robo & Auto Chapter (Sec)	<i>Vacant</i>				
Engineering in Medicine & Biology Chapter (Chair)	Mohanraj Karunanithi			X	
Engineering in Med & Biology Chapter (VC)	Qing Zhang			X	
Engineering in Med. & Biology Chapter (Sec)	Yan Li			X	
MTT/AP Chapter (Chair)	Konstanty Bialkowski				X
MTT/AP Chapter (VC)	Antony Lui	X			
MTT/AP Chapter (VC)	Morteza Shahpari			X	
MTT/AP Chapter (Secretary)	Mostafa Shahbani				X
Power & Energy Chapter (Chair)	Nilesh Modi		X		
Power & Energy Chapter (VC)	Rahul Sharma		X		
Power & Energy Chapter (Secretary)	David Batterham	X			
Signal Pro & Comms Chapter (Chair)	Andrew Bradley		X		
Signal Pro & Comms Chapter (VC)	Vaughan Clarkson	X			
Signal Pro & Comms Chapter (Sec)	<i>Vacant</i>				
Social Implication of Technology Chapter (VC)	Kieran Tranter			X	
Young Professionals Affinity Group (Chair)	Alexandra Posoldova		X		
Young Professionals Affinity Group (VC)	Reuben Peterkin	X			
Young Professionals Affinity Group (Sec)	Rob Makaremi	X			
Young Professionals Affinity Group (Treasurer)	Hamid Amini Moghadam			X	
Student Counsellor QUT	Mark Broadmeadow				X
Student Counsellor UQ	Rahul Sharma		X		
Student Counsellor UQ PES	Tapan Saha	X			
Student Counsellor GU-GC	Jahangir Hossain		X		
Student Counsellor GU-Nathan	Sascha Stegen		X		
Student Counsellor USQ	<i>Vacant</i>				
Student Counsellor CQU – Brisbane	Sangeetha Kutty		X		
Student Counsellor CQU – Rockhampton	Edward Palmer		X		
UQ Student Branch Chair	Jeremy Taylor			X	
UQ Student Branch (VC)	Michael Broe			X	
UQ Student Branch Treasurer	<i>Vacant</i>				
UQ PES Student Branch Chair	Hanxiao Zhang	X			



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UQ PES Student Branch (VC)	Lakshitha Naranpanawe			X	
UQ PES Student Branch Secretary	Xinren Marcus Jiang			X	
GU-GC Student Branch Chair	Reza Akbarzadeh Sohi		X		
GU-NC Student Branch Chair	Mojtaba Moghimi		X		
GU-NC Student Branch (VC)	Nazanin Nadian			X	
GU-NC Student Branch (Sec)	Arslan Akram Nizami			X	
GU-NC Student Branch (Treasurer)	Domagoj Leskarac	X			
Australian Oceanic Engineering Chapter	Navinda Kottege		X		
IEEE HKN Chair	<b>Vacant</b>				



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Number	Item	Action	Actioned
	Chair: Garry Einicke opened the meeting with welcoming the members		
1.0	Attendance and apologies.	As noted	Secretary
2.0	Confirmation of agenda.	Moved by Daniel and seconded by Garry.	
3.0	Acceptance of minutes of the last meeting.	Moved by Garry and seconded by Daniel.	
4.0	Business arising from the last meeting.	-	
5.0	Committee Coordination – Section Chair.		
6.0	Reports from the Section Committee		
6.1	Chair	<p>It is important that we keep working to meet our targets, namely, organising a minimum of two events per Chapter/Affinity Group. Currently, about half of our Chapters/Affinity Groups are in good shape whereas the remainder are not – see the attached bar graph.</p> <p>Failing to organise a minimum of two events for our members means that:</p> <ul style="list-style-type: none"> <li>• we risk becoming irrelevant; and</li> <li>• we will receive less IEEE rebate income.</li> </ul> <p>I look forward to discussing plans for improvement at our meeting tonight. Current record of event activities are:  <u>WIE</u> 1 event, <u>YP</u> 2 events, <u>SP01/COM19</u> 2 events, <u>PE31/DEI32</u> 4 events, <u>CS23/RA24</u> 2 events, <u>CS11</u> 4 events, <u>CIS16</u> 1 event, <u>AES10</u> 1 event.</p>	Garry
6.2	Vice-Chair	<ul style="list-style-type: none"> <li>• Call for nomination for 2017 office holders will be published in the newsletter. The deadline for the election was agreed to be on 30 September 2016, so there would be enough time to finalise the results before the AGM.</li> <li>• IEEE Merchandise website has been unavailable since last meeting. As soon as the site becomes available, the IEEE gift items will be ordered (Section approved \$500 budget in the May meeting)</li> </ul>	Daniel



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		<ul style="list-style-type: none"> <li>• Vice-chair will attend the EA fraternity dinner and give a short speech on behalf of IEEE QLD Section.</li> </ul>	
6.3	Immediate past chair report (plus Engineering Australia report)	<ul style="list-style-type: none"> <li>• IEEE AC Bylaws was finally approved by the IEEE AC committee, which is now in the process of getting approval from MGAB and R-10.</li> <li>• IEEE AC Students paper contest and Students Chapters award assessment process are in progress, hope to complete these awards within the next few weeks.</li> <li>• Thanks to Garry and Nilesh for helping with the assessment of students papers.</li> <li>• Expression of interest for attending the EA Electrical fraternity annual dinner participation in this year from QLD Section has been very low so far. Members are encouraged to register and take the opportunity of 50% discount on already subsidized price and represent the section.</li> </ul>	Tapan
6.4	Secretary	No report	
6.5	Treasurer	<ul style="list-style-type: none"> <li>• Another \$10,000 term deposit has been created, bringing the section's total investments to \$111,691.89.</li> <li>• In January 2015 the value of the section's investments was \$68,459.72, which is an increase of \$43,232.08 or 63%. That's an impressive milestone, made possible by contributions from staging major events. Congratulations to all concerned!</li> <li>• The annual rebate statement was sent to all committee members. The cheque hasn't arrived yet, but when it does it should be worth around \$11,500.</li> <li>• <u>Tapan and Gary suggested having more discussion on this in the next meeting.</u></li> <li>• Still experiencing problems with Internet bank account access. Bank confirmed that conference accounts can be set up as overdraft accounts using term deposits as security, depending on the business case.</li> <li>• Maturing term deposits are being converted to 3-year accounts earning maximum interest.</li> </ul>	Mike



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		<ul style="list-style-type: none"> <li>New \$10,000 term deposit created in May. Term deposits now total \$111,692, a 63% increase since January 2015. Total funds available \$122,090. \$11,500 IEEE annual rebate expected soon.</li> <li>Moved by Tapan Saha - That Abbas Bigdeli be removed from all account signatories and account names. Seconded by Daniel Eghbal, approved by show of hands. The treasurer (Mike Robinson) to inform the bank ASAP.</li> </ul> <p><b>Activity bonus:</b> In an effort to encourage activities at the local level, activity bonuses may be awarded as follows:</p> <ol style="list-style-type: none"> <li>All sections reporting ten meetings or more, at least five of which must be of a technical nature, shall receive an additional US\$200.</li> <li>All subsections reporting ten meetings or more, at least five of which must be of a technical nature, shall receive an additional US\$100.</li> <li>Joint meetings may be counted toward only one unit's bonus. For example, joint meetings of different chapters and/or affinity groups may not be counted as a meeting for both units.</li> <li>All chapters or affinity groups reporting six or more meetings shall receive an additional US\$75; in the case of a chapter, at least six of the reported meetings shall be in the technical category.</li> <li>Activity bonus funds are excluded from the 10% bonus for timely reporting.</li> <li>All units must qualify for the timely reporting bonus (see #5 above) in order to be eligible for an activity bonus.</li> </ol>	
6.6	Awards & Recognition	No report.	
6.7	Professional Activities	No report.	
6.8	Student Activities	No report.	
6.9	Membership Development	<ul style="list-style-type: none"> <li>MD report has been submitted this month, outlining the active steps for membership retention.</li> <li>MD kit containing flyers and promotional material has been ordered. Please contact me if these are required for any student activities or</li> </ul>	Yateendra

		promotion at any conference.	
6.10	Educational Activities	No report.	
6.11	Newsletter Editor	Deadline for submitting articles to the June/July newsletter is June 20 <sup>th</sup> . All committee members are encouraged to submit an activity summary.	David
6.12	Webmaster	<ul style="list-style-type: none"> <li>The Section website has been updated to include the IEEE Style Guidelines <a href="#">manual</a>. It is available on the menu bar: <b>General/Resources/Section guides and forms</b>.</li> <li>The Section website has been updated to provide a link to the official IEEE <a href="#">logos</a>. It is available on the menu bar: <b>General/Resources/Useful links</b>. If you are using or designing forms that contain IEEE logos you should download them using the link.</li> <li>Several chapter history items to be transferred to the new website. Estimate completion in 2 months.</li> </ul>	Mike
6.13	TISP	No report.	
7.0	Student Chapter Activities		
7.1	UQ Student Chapter	<ul style="list-style-type: none"> <li>Through IEEE promotion function, 2 UG and 10 PG students signed up.</li> <li>Received a PES award of \$250.</li> </ul>	Lakshitha
7.2	PES Student branch at UQ	No report.	
7.3	QUT Student Chapter	No report.	
7.4	GU (Nathan) Student Chapter	No report.	
7.5	GU (Gold Coast) Student Chapter	No report.	
7.6	CQU (Brisbane) Student Chapter	No report.	
7.7	CQU (Rockhampton) Student Chapter	No report.	
7.8	USQ Student Chapter	No report.	
8.0	Chapter and Affinity Groups		
8.1	Aerospace & Electronics Systems	<ul style="list-style-type: none"> <li>On Friday 22 July, AES is holding a 1 day workshop with Dr Joe Fabrizio presenting. Dr Fabrizio is an IEEE Fellow and hails from Defence Science and Technology Group in Adelaide. The workshop is an introduction to RADAR and covers Over the horizon RADAR as well as conventional RADAR topics.</li> </ul>	Robert

		We have setup the vTools meeting and sent out the eNotice, but have not had much response so far.	
8.2	Computational Intelligence	<ul style="list-style-type: none"> <li>IEEE CIS chapter held a seminar entitled: "On Cyber Conflict, Industrial Control System Security, and Feature Selection" in June 2016. Dr. Ernest Foo from security group at QUT was the speaker of this seminar.</li> <li>We also organised a seminar with Professor Corke from robotic vision group, QUT. This seminar will be on 12th July.</li> </ul>	Zahra
8.3	Computer Society	No report.	
8.4	Control Systems/Robotics & Automation	No report	
8.5	Engineering in Medicine & Biology	<p>IEEE Qld EMB chapter held an 'Artificial Intelligence and Big data for Aged Care' event at UQCCR on the campus of Royal Brisbane and Women's Hospital, on 10th June 2016.</p> <p>It included 2 speakers:</p> <ul style="list-style-type: none"> <li>Martin Kettles, a BD person from Konica Minolta (<b>Aged Care: AI &amp; Robotics - the Challenge &amp; Opportunity</b>) – Martin discussed the application for technology including robotics and artificial intelligence in the aged care environment. Drawing on his perspective as the Innovation Lead at Konica Minolta's Business Innovation Centre in Asia Pac, Martin put on some VR glasses and look into the future of aged care.</li> <li>Prof Xue Li, an academic lead researcher from UQ (<b>Big Data Fusion for Mining e-Health Data</b>) - Li who talked about case studies and experiments on how we can connect the relevant medical and health data sets together to rank the most influential treatments for diseases, to predict the health states for ageing individuals, or to predict the risks of hospital patients. A graph-based data fusion approach was introduced to represent the different types of relationships among data items and learn from data for predictions.</li> </ul> <p>It has 17 registrations and 16 guest attendees including 7 IEEE members.</p> <p>Next Planned events:</p>	Qing Zhang



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		<ul style="list-style-type: none"> <li>• 27th June 2016: An overseas speaker from US, on Computed tomography determination of localization.</li> <li>• Sept 2016: Biomedical career vent.</li> </ul>	
8.6	Microwave Theory & Techniques/Antennas & Propagation	<p>A number of planned events with concrete dates:</p> <ul style="list-style-type: none"> <li>• 23 Jun - Researcher for Switzerland talking about sensing microwave fields using lasers and atoms</li> <li>• 25 Aug - Industry Speaker from EM Solutions</li> <li>• Oct - IEEE DL Speaker</li> </ul> <p>And a few others, but dates are not set yet</p>	Konstanty
8.7	Power & Energy/DEIS	<p>PES/DEIS won the "IEEE PES Outstanding Chapter Awards" for the sixth time.</p> <ul style="list-style-type: none"> <li>• Planning DL in Nov and requesting \$600 from section, Jay Giri is Director of Power Systems Technology and Strategic Initiatives at GE Grid Software Solutions in Redmond, Washington, is visiting Melbourne to attend ISGT conference. He is DL and we are planning to invite him to deliver a talk on "Managing uncertainties of the future grid".</li> </ul> <p>Please note that in May we have requested DL funding of \$500 and section has approved it. At the end we only spend ~\$50 and other expense was covered from Prof Saha's fund and IEEE PES.</p> <ul style="list-style-type: none"> <li>• Seminar in July - possibly jointly with EA. - Now in August.</li> <li>• Runners up in Outstanding chapter award. 6th Consecutive year we have been runners up. We will get \$250 and recognition certificate.</li> </ul>	Nilesh
8.8	Signal Processing/Communications	No report.	
8.9	Social Implications of Technology	No report	
8.10	Young Professionals	A technical seminar is being planned for August.	
8.11	Women In Engineering	<ul style="list-style-type: none"> <li>• Still waiting on the outcome of our submitted proposal (CSIRO Tour) for</li> </ul>	Luise





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		<p>funding -&gt; Marie-Luise will follow up on this</p> <ul style="list-style-type: none"><li>• CSIRO Facility Tour will still go ahead regardless of the outcome of the proposal, event date: September 9th 4-6.45pm, Garry confirmed a speaker.</li><li>• Marie-Luise is in contact with Prof Katina Michaels (Senior IEEE member from the University of Wollongong) to investigate additional event options</li></ul>	
8.12	AOEC [Australian Oceanic Engineering Chapter]	No report	
9.0	Other business	None	
10.0	Next meeting.	Next meeting will be 12 <sup>th</sup> of July.	