



## QUEENSLAND SECTION

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC.

ARBN 078 576 495

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### Minutes of Meeting April 2021

**Date: 13-04-2021**

#### Attendance:

Office	Attendance	Present	Apology	Absent
Chair	Alexandra Posoldova	X		
Vice Chair	Chandima Ekanayake	X		
Secretary	Rahul Sharma	X		
Treasurer	Vaughan Clarkson	X		
Immediate Past Chair	Nilesh Modi	X		
Newsletter Editor	David Spear	X		
Webmaster	Sameera	X		
Professional Activities	<i>Vacant</i>			
Membership Development chair	<i>Vacant</i>			
Awards & Recognition	Sudarshan Dahal			
Student Activities Chair	Wayes Tushar		X	
Educational Activities Chair	Daniel Eghbal	X		
Engineers Australia Liaison	Tapan Saha	X		
Community Manager	Jennifer Zapata-Giraldo		X	
Women in Engineering	<i>Vacant</i>			
Women in Engineering (Vice chair)	<i>Vacant</i>			
Women in Engineering (Secretary)	Phong Tran	X		
Aerospace and Electronic Systems Chapter	Celeste de Mézières			
Aerospace and Electronic Systems Chapter (VC)	<i>Vacant</i>			
Aerospace and Electronic Systems Chapter (Sec)	<i>Vacant</i>			
Computational Intelligence Chapter	Marcus R Gallagher	X		
Computational Intelligence Chapter (VC)	<i>Vacant</i>			
Computational Intelligence Chapter (Sec)	Tien Dang			
Computer Chapter	Vladimir Estivill-Castro	X		
Computer Chapter (VC)	Ji Zhang	X		
Computer Chapter (Sec)	Morgon McColl	X		
Computer Chapter (Industry Engagement)	Aaron Kurland			
Control Sys/Robo & Auto Chapter	Navinda Kottege			
Control Sys/Robo & Auto Chapter (VC)	Thierry Peynot	X		
Control Sys/Robo & Auto Chapter (Sec)	Alejandro Melendez-Calderon	X		
Engineering in Medicine & Biology Chapter	Mohan Karunanithi			
Engineering in Med & Biology Chapter (VC)	Qing Zhang			
Engineering in Med. & Biology Chapter (Sec)	Venessa Smallbon	X		
MTT/AP Chapter	Hugo Espinosa	X		
MTT/AP Chapter (VC)	Kiu Hing KAN			
MTT/AP Chapter (Secretary)	<i>Vacant</i>			
Power & Energy Chapter	Tapan Saha	X		
Power & Energy Chapter (VC)	Nilesh Modi	X		
Power & Energy Chapter (Secretary)	Hui Ma	X		
Women in Power rep.	FeiFei Bai			
Power & Energy Chapter Industry Engagement Officer	David Batterham			
Power and Energy Chapter (Student rep)	<i>Vacant</i>			



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Signal Pro & Comms Chapter	Andy Ferris	X		
Signal Pro & Comms Chapter (VC)	Megan Dawson			
Signal Pro & Comms Chapter (Sec)	<i>Vacant</i>			
IA/IE/PEL Chair	Junwei Lu	X		
IA/IE/PEL VC	Firuz Zare			
IA/IE/PEL Treasurer	Mahinda Vilathgamuwa			
IA/IE/PEL Secretary	Farzad Farajizadeh	X		
Blockchain and IoT Chair	Matthew Hutchins	X		
Blockchain and IoT VC	<i>Vacant</i>			
Blockchain and IoT Secretary	<i>Vacant</i>			
Young Professionals Chair	Jennifer Zapata-Giraldo	X		
Young Professionals (VC)	Phong Tran	X		
Young Professionals (Sec)	<i>Vacant</i>			
Student Counsellor QUT	Ghavameddin Nourbakhsh	X		
Student Counsellor UQ	Chandima Ekanayake	X		
Student Counsellor GU-GC				
Student Counsellor GU-Nathan				
Student Counsellor USQ				
Student Counsellor CQU – Brisbane				
Student Counsellor CQU - Rockhampton				
UQ IEEE PES Student Branch Chair	Xin Zhong			
UQ IEEE PES Student Branch Vice Chair	Anupam Dixit	X		
UQ IEEE PES Student Branch Secretary	David Amoateng			
UQ IEEE PES Student Branch Treasurer	Jiakang Yang	X		
IEEE HKN Mu Kappa Chapter	Indira Alcaide	X		

Number	Item	Update/Action	Actionee
1.0	Attendance and apologies.	As noted.	
2.0	Confirmation of agenda.	Confirmed.	
3.0	Acceptance of minutes of the last meeting.	Proposer – Alexandra Seconded – Vaughan Minutes accepted.	
4.0	Business arising from the last meeting.	<p>Technical sponsorship for ICMBSF agreed to pay the conference pub fee by the organisers.</p> <p>ICTS and ICMBSF technical sponsorship by corresponding societies in the section</p> <p>Send everyone a picture and details to Sameera. Student branch Chair should send the details to Sameera. Sameera to follow up – Action</p> <p>Rahul excel – No need (Alexandra pulled out all information) Chandima – in progress on spreadsheet</p> <p>Event held by MGA – done by Alexandra</p> <p>AEB AV system to be tested</p>	
5.1	Committee Coordination – Section Chair.	<ul style="list-style-type: none"> <li>- Alka appointed Vice - chair of WIE.</li> <li>- Marie-Luise Wille nominated as the chair of WIE.</li> </ul>	



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		<ul style="list-style-type: none"><li>- Technical co-sponsorship of DICTA (CS Chapter) and ICMBSF (CI Chapter): Both conferences to be technically sponsored without funding liability.</li><li>- R10 Event Funding Portal <a href="http://events.ieeer10.org">http://events.ieeer10.org</a> brought to the committee's attention. Alexandra happy to assist with the funding.</li><li>- Appointing volunteers - Tien discontinued, QUT student branched formed</li><li>- Nominations for Friend of IEEE MGA Awards: Alexandra calls for nominations. Suggests UQ as a potential nominee. Vaughan and Tapan to collate the evidence.</li><li>- First newsletter to be initiated.</li><li>- Summary of the events organised by Qld section presented (refer to <i>Attachement A</i>).</li></ul>	David
5.2	Vice Chair		
5.3	Secretary		
5.4	Treasurer		
5.5	Past Chair		
5.6	Newsletter Editor		
5.7	Webmaster		
5.8	Awards and Recognition		
5.9	Professional Activities		

5.10	Student Activities	<p>- An IEEE Student Paper competition is being planned as a part of ISGT-Asia conference this year. It will be open only for IEEE PES Members. Students who want to participate need to have a paper in the conference and submit a poster for the competition. We may need to create a submission link in the conference webpage for that.</p> <p>Tapan encourages them to speak to the conference committee to organise the paper competition.</p> <p>- Planning in progress to organise Hackathon as a part of IEEE Student Activity in QLD during Semester 2, 2021.</p>	
5.11	Membership Development	<p>Om Perakash reaching out the student branches and student branch counsellor.</p> <p>Trying to get in touch with past Membership Development chair.</p>	
5.12	Educational Activities		
5.13	Engineers Australia liaison		
6.0	Student Chapter Activities		
6.1	UQ Student Chapter	Recruitment event held and 10 new members recruited.	
6.1.1	UQ PES Student Chapter	<p>An online quiz planned for April. Advertisement in progress. *refer to the email*</p> <p>April 22<sup>nd</sup>.</p> <p>Prizes include: 1<sup>st</sup> prize \$50, 2<sup>nd</sup> \$30 and 3<sup>rd</sup> \$20.</p> <p>Approved.</p>	
6.2	QUT Student Chapter	QUT committee nominated	

6.3	GU (GC) Student Chapter	Alexandra to reach out the GC student councillor.	
6.4	GU (Nathan) Student Chapter		
6.5	CQU (Brisbane) Student Chapter		
6.6	CQU (Rockhampton) Student Chapter	Ed provides an update that CQU have undergone restructuring and no members Chandima can get in touch with Bundaburg campus academic.	
6.7	USQ Student Chapter		
7.0	Chapter and Affinity Groups		
7.1	Aerospace & Electronic Systems	No report	
7.2	Computational Intelligence	Marcus has had contact to support ICMBSF organisers. No event held yet but events will be organised during the year.	
7.3	Computer Society	<ul style="list-style-type: none"> <li>- 1 event organised so far with 8 attendees.</li> <li>- 2 events planned – one in May and one in July where a professor from Charleston university will present. Plan to organise at least one event per quarter. Plan to organise a membership development event.</li> <li>- Newsletter content to be passed on to David.</li> </ul>	
7.4	Control Systems/Robotics & Automation	5 events so far in 2021. Events are being organised jointly with NSW chapter.	
7.5	Engineering in Medicine & Biology	1 event in March 5. Di Jao gave a webinar with 15 attendees. It was an hybrid event.	



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		Another event to be held on May 14 – Speaker: Dennis Bauer from CSIRO, Title: Cloud-based machine learning for genome engineering.	
7.6	Microwave Theory & Techniques/Antennas & Propagation	3 DLs being planned, 1 from industry, 2 more being planned.	
7.7	Power & Energy/DEIS Joint Chapter	1 event so far DL by the president of PES. 96 attendees. Committee occupied with the ISGT organisation: - Hybrid model is being considered. - \$67k of sponsorship secured. More events will be held in later in this year.	
7.8	Power Electronic/Industrial Electronics/ Industry Applications	PRE seminar to be held on 16 April and will happen quarterly. PhD symposium to be held later this year.  Invites other chapters to organise joint events.  2 new positions to be added to this chapter. More information will be provided in future meetings.  Action – v-Tool reporting to be completed	Farzad
7.9	Signal Processing/Communications	3 events held so far. Journal paper club continues to be popular.  Action: attendance report to be updated.	
7.10	Young Professionals		



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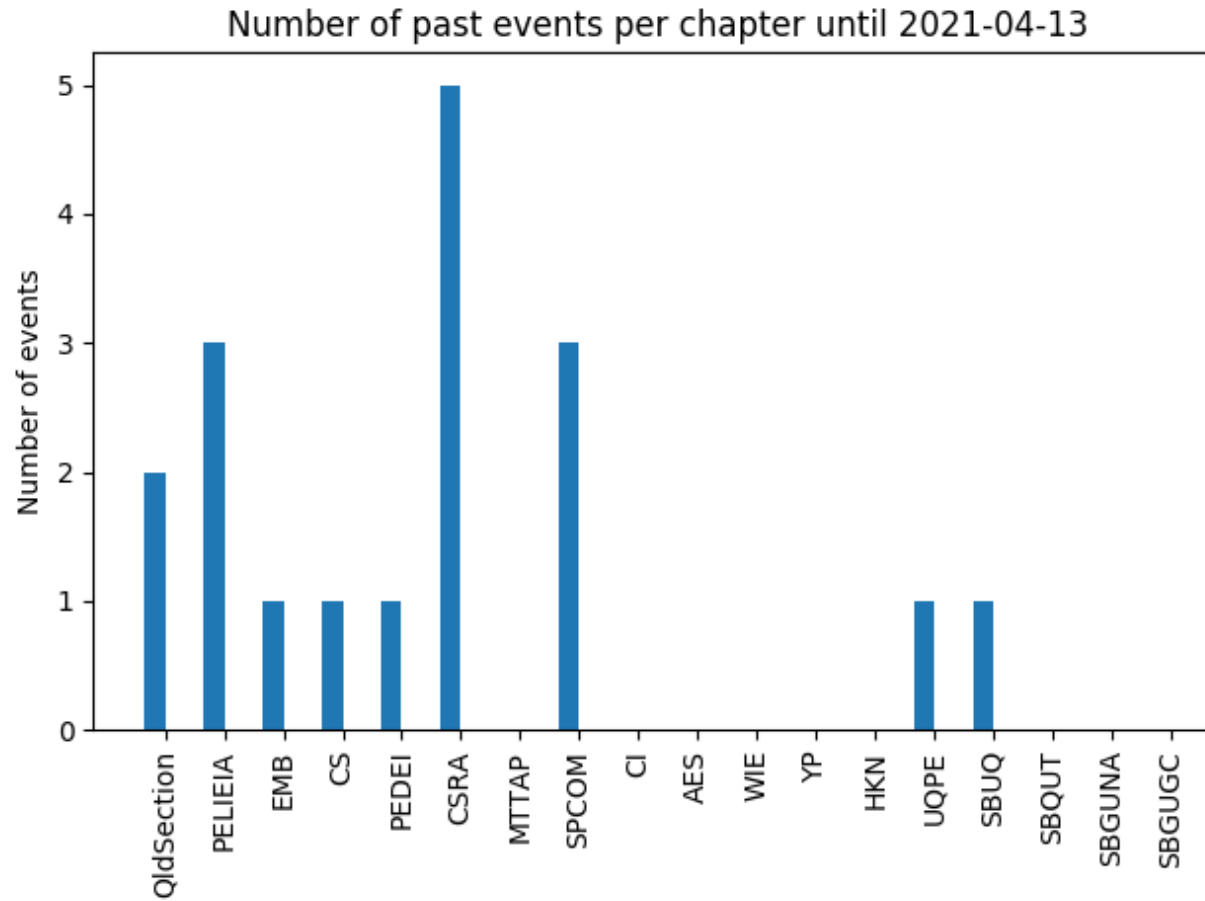
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7.11	Women In Engineering	<p>No event held so far</p> <p>Planning in progress for the following events:</p> <ul style="list-style-type: none"><li>- A writing workshop</li><li>- Facility tour – Herston bifurcation facility</li></ul> <p>Tapan suggests that Feifei and Indira can get in touch as WiP members.</p>	
7.12	IEEE HKN Mu Kappa Chapter	An event (workshop) postponed due to COVID and will be rescheduled. So far about 40 registrations.	
7.13	Blockchain IoT	Discussion in progress with IBM to organise an event or a webinar series by June/July.	
8.0	Other business.	<p>Life member email sent to form life member affinity group.</p> <p>Ed updates that a meeting was held and will find out what other sections are doing.</p> <p>Ed nominated as the Life members affinity group coordinator.</p>	
9.0	Next meeting.		



**Attachment A:**

Summary of the Chapter-wise number of events held in the first quarter of 2021:





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	Past Event Count	EventDetails	Total Attendees	Average Attendees	Pending Report	Upcoming Events
<b>QldSection</b>	2	IEEE Queensland Section Monthly meeting - February : Queensland Section IEEE Queensland Section Monthly Meeting - March : Queensland Section	0		2	0
<b>PELIEIA</b>	3	Energy Storage at Scale : Queensland Section Jt. Chapter, PEL35/IE13/IA34 Adaptive Renewable Energy Plants “Towards a Clean Energy Sector : Queensland Section Jt. Chapter, PEL35/IE13/IA34 Aged Care Energy Security and the Impact of Lockdown : Queensland Section Jt. Chapter, PEL35/IE13/IA34	0		3	1
<b>EMB</b>	1	IEEE EMBS Virtual Seminar: Application of AI in Ophthalmology and its Practice in Clinic : Queensland Section Chapter, EMB18	0		0	1
<b>CS</b>	1	WEBINAR Associate Professor Tim Miller "Explainable artificial intelligence" : Queensland Section Chapter, C16	0		0	0
<b>PEDEI</b>	1	Grid Reliability and its Vital Signs : Queensland Section Chapter, PE31/DEI32	0		1	0
<b>CSRA</b>	5	30+ years of Robotics for Neuro-Rehabilitation: lessons learned and challenges ahead : Queensland Section Jt. Chapter, CS23/RA24 IEEE NSW QLD RAS Joint DL Event: Multi-Robot Motion Planning : New South Wales Section Chapter,RA24 Intro to My Cybersecurity Research: G.A.M.E : Queensland Section Jt. Chapter, CS23/RA24 Neuromorphic Vision Applications: From Robotic Foosball to Tracking Space Junk : Queensland Section Jt. Chapter, CS23/RA24 IEEE NSW QLD RAS Joint Industry Talk: Tactile Sensing “An Enabler for Autonomous Robotic Gripping : New South Wales Section Chapter,RA24	62	31	1	0
<b>MTTAP</b>	0		0		0	0



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<b>SPCOM</b>	3	1TJPC - PointRGCN: Graph Convolution Networks for 3D Vehicles Detection Refinement : Queensland Section Jt Chapter,SP01/COM19 1TJPC - Differentiable Vector Graphics Rasterization for Editing and Learning : Queensland Section Jt Chapter,SP01/COM19 1TJPC - DEM Generation from Laser Scanner Data Using Adaptive TIN Models : Queensland Section Jt Chapter,SP01/COM19	0		1	0
<b>CI</b>	0		0		0	0
<b>AES</b>	0		0		0	0
<b>WIE</b>	0		0		0	0
<b>YP</b>	0		0		0	0
<b>HKN</b>	0		0		0	0
<b>UQPE</b>	1	IEEE Membership Drive : University of Queensland,PE31	26	26	0	0
<b>SBUQ</b>	1	IEEE Membership Drive : University of Queensland,PE31	26	26	0	0
<b>SBQUT</b>	0		0		0	0
<b>SBGUNA</b>	0		0		0	0
<b>SBGUGC</b>	0		0		0	0