

# THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC.

ARBN 078 576 495

Dr. Chandima Ekanayake — Section Chair	Dr. Hugo Espinosa — Secretary
IEEE Queensland.	IEEE Queensland
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#### **Minutes of Meeting September 2024**

#### Date:10/09/2024

#### Attendance:

Office	Officer name	Present	Apology	Absent
Chair	Chandima Ekanayake			
Vice Chair	Rahul Sharma	×		
Secretary	Hugo Espinosa	X		
Treasurer	Ruifeng (Richard) Yan		X	
Immediate Past Chair	Om Perkash			X
Newsletter Editor	Mike Robinson	×		
Webmaster	Sameera Samarasingha		X	
Professional Activities	Moid Sandhu	X		
Membership Development Chair	Jakob Pallot		X	
Awards & Recognition Chair	Mike Robinson			
Student Activities Chair				
Educational Activities Chair	Rajesh Nighot	X		
Engineers Australia Liaison	Ruifeng (Richard) Yan		×	
Community Manager	Jakob Pallot			
Women in Engineering Chair	Punam Pawar		×	
Women in Engineering (VC)	Christina Kazantzidou			X
Women in Engineering (Secretary)				
Aerospace and Electronic Systems Chapter Chair	Robert Kennedy	X		
Aerospace and Electronic Systems Chapter (VC)	Jason Williams		X	
Aerospace and Electronic Systems Chapter (Sec)				
Computational Intelligence Chapter Chair	Marcus Gallagher			X
Computational Intelligence Chapter (VC)				
Computational Intelligence Chapter (Sec)				
Computer Society Chapter Chair	Brian Lovell			X
Computer Society Chapter (VC)	Mike Robinson			
Computer Society Chapter (Sec)				
Computer Society Chapter (Industry Engagement)				
Control Sys/Robo & Auto Chapter Chair	Benjamin Tam	×		
Control Sys/Robo & Auto Chapter (VC)				
Control Sys/Robo & Auto Chapter (Sec)				
Engineering in Medicine & Biology Chapter Chair	Alejandro Melendez- Calderon			X
Engineering in Med & Biology Chapter (VC)	Camila Shirota			⊠
Engineering in Med. & Biology Chapter (Sec)	MirHojjat Seyedi			⊠
MTT/AP Chapter Chair	Hugo Espinosa			
MTT/AP Chapter (VC)	Syed Akbar Raza Naqvi			X
MTT/AP Chapter (Secretary)	Lu Zhang			×
MTT/AP Chapter (Treasurer)	Kamel Sultan			X
Power & Energy Chapter Chair	Feifei Bai			
Power & Energy Chapter (VC)	Nadali Mahmoudi			X



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Power & Energy Chapter (Secretary)	James Guest		
Power & Energy Chapter (Treasurer)	David Batterham		X
Power & Energy Chapter (Women in Power rep)	Indira Alcaide-Godinez		
Power and Energy Chapter (Industry Liaison)	Nilesh Modi		
Power and Energy Chapter (Professional Bodies)	Tapan Saha	×	
Power and Energy Chapter (Webmaster)	Bonu Ramesh Naidu		
Signal Proc & Comms Chapter Chair	Manuel Schmidt		
Signal Pro & Comms Chapter (VC)			
Signal Pro & Comms Chapter (Sec) IA/IE/PEL Chair	Dama Sam		
	Dezso Sera		
IA/IE/PEL (VC)	Junwei Lu		
IA/IE/PEL (Treasurer)		X	
IA/IE/PEL (Secretary)	Mahinda Vilathgamuwa		
SSIT Chair			
SSIT Vice Chair			
SSIT QLD Coordinator	Company Correction 1		
Young Professionals Chair	Sameera Samarasingha		
Young Professionals (VC)	Moid Sandhu	X	
Young Professionals (Sec)			
UQ Student Branch Chair	Ge Zhang		
UQ Student Branch (VC)	Ning Ma		
UQ Student Branch (Secretary)	Jiajie Feng		
UQ Student Branch (Treasurer)	Shijie Yao		
UQ Student Branch (Counsellor)	Ruifeng (Richard) Yan		
UQ IEEE PES Student Branch Chair	Taolue Shen	X	
UQ IEEE PES Student Branch (VC)	Anuradha Abeysekara		
UQ IEEE PES Student Branch (Secretary)	Ge Zhang		
UQ IEEE PES Student Branch (Treasurer)	Ashan Imantha M.H. Bandara		
UQ IEEE PES Student Branch (Counsellor)	Tapan Saha	×	
QUT Student Branch Chair			
QUT Student Branch (VC)	Amin Mokari		×
QUT Student Branch (Secretary)	Shaetrun Pathmanathan		⊠
QUT Student Branch (Treasurer)	Amin Mokari		
QUT Student Branch (Counsellor)	Yuchen Zhang	×	
Griffith Student Branch Chair – GC			
Griffith Student Branch (VC) – GC			
Griffith Student Branch (Secretary) – GC	Angus Brawley		⊠
Griffith Student Branch (Treasurer) – GC			
Griffith Member Engagement Coordinator – GC			
Griffith Events Coordinator – GC			
Griffith Administrator – GC			
Griffith Student Branch (Counsellor) – GC	Stephen So		
Griffith Student Branch Chair – Nathan			
Griffith Student Branch (VC) – Nathan			
Griffith Student Branch (Secretary) – Nathan			
Griffith Student Branch (Counsellor) – Nathan	Sascha Stegen		⊠
Griffith IEEE PES Student Branch Chair	Hamza Mubarak	×	
Griffith IEEE PES Student Branch (VC)	Nafis Ahmed Chowdhury		⊠
Griffith IEEE PES Student Branch (Secretary)	Muhammad Ajmal khan	×	



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Griffith IEEE PES Student Branch (Treasurer)				
Griffith IEEE PES Student Branch (Webmaster) Adam Barbosa		X		
Griffith IEEE PES Student Branch (Advisor)	Feifei Bai			
Griffith IEEE PES Student Branch (Counsellor)	Hugo Espinosa	X		
USQ Student Branch Chair				
USQ Student Branch (VC)				
USQ Student Branch (Secretary)				
USQ Student Branch (Counsellor)	Yi Cui			X
IEEE HKN Mu Kappa Chapter Chair	Alexander Burovanov	X		
IEEE HKN Mu Kappa Chapter (VC)	Mingxuan Zhou			
IEEE HKN Mu Kappa Chapter (Corresp Secretary)	Zachary Grice			×
IEEE HKN Mu Kappa Chapter (Rec Secretary)	Junjia Yang			X
IEEE HKN Mu Kappa Chapter (Treasurer)	Ashan Imantha Malala Hetti Bandara			X
IEEE HKN Mu Kappa Chapter (Department Head)	Michael Bruenig			X
IEEE HKN Mu Kappa Chapter (Faculty Advisor)	Tapan Saha	×		
Life Members Chair	John Gough		X	
Section Historian				



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#### 1. Welcome from Chandima.

#### Attendance and apologies.

As noted. Apologies sent by Richard, Sameera, Jake, Jason, John, and Pumar.

#### 2. Confirmation of agenda.

The agenda was circulated and approved.

Confirmed: Robert Seconded: Rahul

# 3. Acceptance of minutes of the last meeting.

Minutes of last meeting were circulated and approved.

Proposer: Robert Seconded: Rahul

# **4.** Business arising from the last meeting. No carry on items.

#### 5. Reports from the Section committee:

Chair:

**IEEE Day Event:** A small gathering with a BBQ is planned for October to promote senior memberships and encourage upgrades. The Section is expecting around 50 attendees. All committee members are welcome. If anyone is interested in joining the organising committee for IEEE Day, please let Chandima know. Information will be circulated prior to the October meeting. Chandima is requesting \$1,000 in support from the section for this event.

Tapan has expressed his support on the financial request.

• Vice Chair:

Rahul provided an update on the AGM, covering the following points:



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- Peter Halliday is unable to attend. Peter Price from Energy QLD has been invited, and Rahul is awaiting confirmation. Peter is expected to speak on energy transformation.
- For the entertainment dinner, Jake and Mike reached out to the Griffith Conservatorium and received a quote of \$500-\$600 for one hour of entertainment.
- Rahul will collaborate with Mike on awards and recognitions for the dinner.
- A \$3,000 deposit has been made for the Sky Room at BCEC, and BCEC has contacted Rahul to begin event planning.
- Rahul will coordinate with university chapters to organise thesis competitions.
- Rahul has initiated the nomination process and invited previous Chairs to participate. The 2025 nominations will be finalised before the AGM.
- Secretary:
- Treasurer:

Richard circulated the monthly account but was unable to attend the meeting. If there are any questions, Chandima recommended contacting Richard directly.

- Newsletter Editor:
- Webmaster:
- Awards and Recognitions:
- Professional Activities:

Moid provided an update on a webinar held this month, delivered by ABB, which had 40 attendees.

- Student Activities
- Membership Development
- Educational Activities:



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- Engineers Australia liaison
- Community manager

#### 6. Student Chapter Activities:

• UQ:

Shijie provided an update on three events, which included a training session, a workshop attended by 40 participants that included membership development, and a site visit scheduled for October.

#### • UQ PES:

Taolue provided an update on two awards they received: one from the IEEE Council for \$200 and the second for being a high-performing chapter, valued at \$750. He also updated on recent events:

- 1. PSS/E training (August 12)
- 2. Membership drive, information sharing, and BBQ networking session (August 7)
- 3. Student interviews to share experiences (August September)

He outlined upcoming events:

- 1. AEMO site visit
- 2. Support for students during exam week (November)
- 3. LGI Renewable hybrid site visit (October)

Taolue shared a few photos from the recent events, including the membership drive (BBQ), which was attended by over 50 students. He introduced IEEE in some of the engineering undergraduate courses.

Taolue requested financial support for the speakers, which could include a branded product (e.g., water bottles). Specifically, he requested 25 units at \$34.82 per unit, totaling \$870.47. He shared the "IEEE and PES brand guidelines."

The committee supported the request for the water bottles.



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#### • QUT:

Yuchen reported that the QUT Chapter will host a welcome party and membership drive on October 4, 2024. The purpose of this event is to inform existing IEEE members about the benefits of membership and to attract students to join as new members. Several academics at QUT will share their experiences with IEEE through presentations and a panel discussion.

QUT has engaged around 20 new members in recent months. They are organising a panel session with academics to discuss their experiences with IEEE, aimed at encouraging students to become members.

Yuchen requested information about obtaining an IEEE banner, which costs around \$140. Chandima suggested having a banner at each of the three active universities (UQ, QUT, Griffith). Tapan supported the idea of having a banner at each university. Yuchen will use the IEEE template to design the banner.

- **GU (GC):**
- GU (Nathan):
- GU PES:
- CQU:
- USQ:
- 7. Chapter and Affinity Group reports
  - Aerospace and Electronic Systems:

Update for AESS Qld - Rob Kennedy & Jason Williams 1. Elias Aboutanios is giving an AESS virtual DL on 24Sep 8-9pm our time. a. The University of New South Wales



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- b. Direction-Of-Arrival Estimation: Approaches and Recent Advances
- c. Sending out a notice to AESS members
- 2. hybrid EW talk in Adelaide on 23Sep Advanced Test System for Electronic Warfare
  - a. Nicole Perry and David Brown from the Southwest Research Institute, USA,
  - b. They will be presenting two seminars on recent work in Electronic Warfare
- Sending out a notice to AESS members

1. Space DL Lecturer - Professor Puneet Singla

- a. Pennsylvania State University
- b. Accurate Tracking of Resident Space Objects
- c. 20/21 Nov 2024
- d. Looking for IEEE to sponsor the flight to Brisbane, accommodation and lecture
- e. Will update Committee when we finalise budget
- 2. EMI/EMC Lecture
  - a. Eden Maynard Formally of Gilmour Space, Now Hypersonix
  - b. EMI/EMC Considerations for Space Systems
  - c. Nov 2024
  - d. Looking for IEEE to sponsor the lecture, basic cost for local lecture
- Computational Intelligence:
- Computer Society:
- Control Systems/Robotics & Automation:

Benjamin requested funding for the Soft Robotics Symposium. The chapter has outlined potential funding options, and after discussions with the organising team, two viable options have been identified:

• Sponsorship of \$1,000 to cover general event costs. They have already secured an additional \$1,000 from another funding source. A condition for using the event venue free of charge is that there must be no participant fees.



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• Sponsorship of \$2,000. This would allocate \$1,000 for the main event's general expenses and an additional \$1,000 for a post-event networking session (an IEEE-exclusive event). This option would emphasise the exclusivity of IEEE membership.

The budget is based on 50 attendees for the event. The committee supported option 1, which is \$1,000, ensuring that IEEE will have visibility at the event.

#### • Engineering in Medicine & Biology:

Microwave Theory & Techniques/Antennas & Propagation:

Hugo provided an update on three in-person seminars that have been held at UQ in the past month. These seminars were related to both the MTT and APS societies. The budget for catering will be claimed using the pre-approval forms.

#### Power and energy and DEIS joint chapter:

Feifei provided an update on various events, including an industry workshop on September 26, which is the largest event of the chapter. Additionally, there will be a seminar in collaboration with Energy Queensland in October.

#### Power Electronic/Industrial Electronics/ Industry Applications:

Junwei provided an update on the upcoming IEEE Annual Southern Power Electronics Conference, scheduled to be held in Brisbane in December 2024. This is a major event organised by the chapter.

Chandima highlighted that the chapter needs to hold at least two additional events to mitigate any risks. Junwei will discuss this with the chapter chair to address the issue.

- Signal Processing/Communications:
- Young Professionals:
- Women In Engineering:
- IEEE HKN Mu Kappa Chapter:



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Alexander reported on an event for membership engagement, which was attended by 60 people. During the event, information was provided on how to join IEEE and HKN. Mingxuan updated the committee on an upcoming event in October and requested financial support for catering, amounting to \$600. The committee supported this request.

The HKN team is currently in discussions with Dr. David Noon (<u>https://www.linkedin.com/in/davidnoon/?originalSubdomain=au</u>) regarding the organization of a technical talk for the IEEE and EECS communities at UQ. An attendance of 50 to 100 people is expected. Therefore, the chapter would like to request \$500 in funding to support catering for this event.

- Life Members:
- 8. Any other business
- 9. Next meeting: 8/10/2024

#### **ACTION LIST**

(Numbering Scheme: Year\_Month\_action number)

Action No	Description	<b>Expected Completion</b>	Status
		Date	
ACTION ITEM 2024_08_01	AGM 2024 updates from Rahul on event date,		On going
	location, fees, keynote speaker, etc.		
ACTION ITEM 2024_08_03	IEEE Day and Senior Membership Development		On going
ACTION ITEM 2024_08_05	Reimbursement of expenses or request of		For Awards:
	approved funds allocated to awards, using MS		https://forms.gle/fvXBjWq2t4Re8ovy5
	Forms		For Events:
			https://forms.gle/THMF8eLyb5k3mQBTA
ACTION ITEM 2024_08_06	IEEE 140-year anniversary celebration together		On going
	with QLD Section 40-year anniversary		
ACTION ITEM 2024_08_07	Purchase of plaques for year-end celebration		On going
ACTION ITEM 2024_08_08	Improvements and updates on section's website		On going



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#### **BUDGET REQUESTS**

Item No.	Date	Request	Requested amount	Approved
2024_09_01	10/09/2024	Taolue Shen	\$870.47 (25 bottle units at \$34.82 per unit)	Approved
2024_09_02	10/09/2024	Benjamin Tam	\$1,000 (Soft Robotics Symposium)	Approved
2024_09_03	10/09/2024	Mingxuan Zhou	\$600 (support for catering)	Approved