

IEEE Queensland Section

PART A - SECTION SUMMARY

A.1 Executive Summary –

- Section Executive Committee Member List

Office	Officer name
Chair	Om Perakash
Vice Chair	Rahul Sharma
Secretary	Chandima Ekanayake
Treasurer	Jennifer Zapata Giraldo
Immediate Past Chair	Alexandra Posoldova
Newsletter Editor	Michael Robinson
Webmaster	Sameera Samarasingha
Membership Development chair	Sudarshan Dahal
Awards & Recognition	Michael Robinson
Student Activities Chair	Hui Ma
Educational Activities Chair	Daniel Eghbal
Engineers Australia Liaison	Tapan Saha
Community Manager	Jennifer Zapata Giraldo
Women in Engineering Chair	Punam Pawar
Aerospace and Electronic Systems Chapter Chair	Vaughan Clarkson
Aerospace and Electronic Systems Chapter (VC)	Robert Kennedy
Computational Intelligence Chapter Chair	Marcus R Gallagher
Computer Chapter Chair	Brian Lovell
Control Sys/Robo & Auto Chapter Chair	Thierry Peynot
Control Sys/Robo & Auto Chapter (VC)	Alejandro M-Calderon
Control Sys/Robo & Auto Chapter (Sec)	Navinda Kottege
Engineering in Medicine & Biology Chapter Chair	Alejandro M-Calderon
Engineering in Med & Biology Chapter (VC)	Camila Shirota
Engineering in Med. & Biology Chapter (Sec)	Hojjat Seyedi
MTT/AP Chapter Chair	Hugo Espinosa
MTT/AP Chapter (VC)	Syed Akbar Raza Naqvi
MTT/AP Chapter (Secretary)	Lu Zhang
Power & Energy Chapter Chair	Feifei Bai
Power & Energy Chapter (VC)	Nilesh Modi
Power & Energy Chapter (Secretary)	Nadali Mahmoudi
Women in Power rep.	Indira Alcaide-Godinez
Power & Energy Chapter Treasurer	David Batterham
Signal Pro & Comms Chapter Chair	Manuel Schmidt
IA/IE/PEL Chair	Dezso Sera
IA/IE/PEL VC	Mahinda Vilathgamuwa
IA/IE/PEL Treasurer	Dulmini Karunathilake
IA/IE/PEL Secretary	Junwei Lu
Young Professionals Chair	Sameera Samarasingha
Student Counsellor QUT	Ghavameddin Nourbakhsh
Student Counsellor UQ	Richard Yan
Student Counsellor GU-GC	Stephen So
Student Counsellor GU-Nathan	Hugo Espinosa
Student Counsellor CQU – Rockhampton	Lasitha Piyathilake
UQ Student Branch Chair	Deren Teo
UQ Student Branch Vice Chair	Wendi Ma
UQ IEEE PES Student Branch Chair	Ge Zhang
UQ IEEE PES Student Branch Vice Chair	Ning Ma
UQ IEEE PES Student Branch Secretary	Jiajie Feng

UQ IEEE PES Student Branch Treasurer	Shijie Yao
Griffith Student Branch Chair (GC)	Andrew Jensen
Griffith Student Branch Vice Chair (GC)	Angus Brawley
Griffith Student Branch Secretary (GC)	Timothy Tadj
Griffith Student Branch Treasurer (GC)	Zack Budai
Griffith Member Engagement Coordinator(GC)	Medina Jenkins
Griffith Events Coordinator(GC)	Victoria Belmont
Griffith Administrator(GC)	Madeline Abio
Griffith IEEE PES Student Branch Chair	Yue Qu
Griffith IEEE PES Student Branch Vice Chair	Hamza Mubarak
Griffith IEEE PES Student Branch Secretary	Muhammad Naveed Naz
Griffith IEEE PES Student Branch Treasurer	Weichong Yao
Griffith IEEE PES Student Branch Webmaster	Muhammad Ajmal Khan
IEEE HKN Mu Kappa Chapter Chair	Raveena Wadhvani
IEEE HKN Mu Kappa Chapter Vice Chair	Grace Margaretha
IEEE HKN Mu Kappa Chapter Secretary	Zachary Grice
IEEE HKN Mu Kappa Chapter Treasurer	Yunda Xu
IEEE HKN Mu Kappa Chapter Media officer	Linfeng Liu
Life Members Chair	John Gough

- Section Highlights
 - Organized more than 80 events with thin the section.
 - Re engagements with affinity groups
 - Re started distinguished lecturer visits
 - Participation in Section Congress 2023
 - Celebration of IEEE day
 - Supporting an international conference
 - AGM dinner
- Major Events (International, National)
 - AES Chapter and the Section supported the International Conference on Radar—Radar '23. The conference was held from Monday, 6th November, to Friday, 10th November, at the International Convention Centre in Sydney.
 - IEEE PES UQ branch promoted IEEE activities in CIGRE Symposium 2023 at Cairns
 - Vice-chair of Control Systems Robotics and Automation chapter co-chaired the IEEE RAS/EMBS International Conference on Rehabilitation Robotics 2023, within RehabWeek23 in Singapore (24-28 Sept, 2023)
- Major Chapter Activities
 - AES chapter organized two courses one on “Introduction to Tracking and Sensor Fusion” an the other on “Introduction to Electronic Warfare and Cognitive Electronic Warfare”.
 - AES chapter actively engaged in organizing Radar '23 conference.
 - Active contribution for International Conference on Rehabilitation Robotics 2023 by CS&RA chapter.
 - PES & DEIS joint chapter organized two industry technical sessions.
 - PES & DEIS joint chapter has organized a DL visit.
 - PES & DEIS joint chapter has organized a membership elevation drive om IEEE day.

- PES/DEIS Chapter nominated Dr Nadali Mahmoudi to apply for the Lord Mayor’s Convention Trailblazer Grant with \$5,000 and Dr Mahmoudi has successfully secured this grant to attend the IEEE PES conference.
- Formed a new PES student branch in Griffith University
- PES/DEIS Chapter has offered several awards for conference travel and recognition of volunteering and technical contributions.
- MTT/APS join chapter has organized a DL visit.
- Major Student and Affinity Group Activities
 - Networking and connection with YPs organized by WIE and YP groups
 - Life members organized two technical events
 - Griffith university PES SB has organized a PSS/E software training session
 - UQ PES SB ran a promotion booth in CIGRE Symposium 2023 at Cairns.
 - UQ PES SB sent a representative to the R10 IEEE PES SBC Leader In-person Training in Chiang Mai, Thailand, in December 2023.
 - UQ HKN branch has organized a talk by Professor Martin Green, Director of the Australian Centre for Advanced Photovoltaics (ACAP) and Scientia Professor at UNSW.
 - Zachary Grice, recording secretary of UQ HKN, attended the SLC on behalf of the University of Queensland Mu Kappa chapter, and experienced the breadth of opportunities available within the association.
- Awards
 - Outstanding QLD Outstanding Volunteer Award
Winner: Chandima Ekanayake
 - Outstanding Women in Engineering Award
Winner: Raveena Wadhvani
 - IEEE Queensland Section Student Thesis Prize for the General Category
Winner Daren Tao
 - IEEE Queensland Section Student Thesis Prize for the Power Engineering Category
Winner Bernard Lunt
 - IEEE Queensland Section Student Thesis Prize for the Signal & Image processing Category
Winner Timothy Tadj
 - PES Conference Travel Prize Awards
 - Winners
 - The 33rd Australasian Universities Power Engineering Conference: Hankun Cui
 - 2023 IEEE International Conference in Energy Technologies for Future Grids: Ge Zhang, Jiajie Feng, Nafis Ahmed Chowdhury, Hamza Mubarak, Ahmed Amirul Arefin
 - PES Outstanding Engineer Award
 - Winners
 - For members with more than 15 years of experience: Rajesh U. Nighot
 - For members with less than 15 years of experience: Alexandra Price
 - PES Outstanding Volunteer Award
Winner: Ge Zhang
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A.2 Financial Report –

- Summary (as per submitted on NetSuite)

NextGen account balance in USD:

	CB HOP #	100270
	Date	Balance
Opening Balance	1/01/2023	3937.85
Closing Balance	31/12/2023	4711.34

Fixed deposit 1 (AUD)

Account #	9110-03659
Date	Amount
1/01/2023	25000.00
31/12/2023	25000.00

Fixed deposit 2 (AUD)

Account #	9110-03931	
	Date	Amount
Opening Balance	1/01/2023	25000.00
Closing Balance	31/12/2023	25000.00

Fixed deposit 3 (AUD)

Account #	9147-58977	
	Date	Amount
Opening Balance	1/01/2023	25000.00
Closing Balance	31/12/2023	25000.00

Operating account (AUD)

Account #	469430083	
	Date	Balance
Opening Balance	1/01/2023	29784.15
Closing Balance	31/12/2023	36772.12

- Any other financial activities
Nothing to be reported.

PART B - ORGANIZATIONAL ACTIVITIES**B.1 Membership Development Activities**

- Total number of active members in the past 3 years.

Year/Month	Number
2021/12	1030
2022/12	1002
2023/12	1023

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

Each year IEEE Queensland section organizes number of activities to promote IEEE membership which helps to retain and improve membership numbers. Some of these actions are highlighted below:

IEEE day senior membership promotion drive

Supporting student activities organized by student organizations

Awards for volunteers, outstanding contributors and high achieving students

Organizing technical seminars and membership drives

B.2 Chapter Activities

- Total number of Chapters in the Section
9 chapters including joint chapters
- Number of Chapters formed in the current year
No chapters were formed in the current year.
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
6
- Summary of Chapter activities (Chapter wise with attachment table/information)

Chapter	No. of activities
Aerospace and Electronic Systems	10
Control Sys/Robo & Auto	3
Engineering in Medicine & Biology	2
MTT/AP	3
Power & Energy/ DEIS	7

Signal Pro & Comms	11
IA/IE/PEL	1

More details of these activities is available in the attached section's annual report.

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

The following table provides list of educational activities conducted by various chapters.

Event Title	Event Date
1TJPC - Diffusion models by Paul Bellette : Queensland Section Jt Chapter,SP01/COM19/GRS29	7/02/2023 17:30
Learning and Communication for Human-Robot Teaming : Queensland Section Jt. Chapter, CS23/RA24	16/02/2023 11:00
1TJPC - Flip-flop Qubit by Kristian Weegink : Queensland Section Jt Chapter,SP01/COM19/GRS29	7/03/2023 17:30
Present and Future Spin-on Electro-optic Waveguide Modulator : Victorian Section Jt. Chapter, ED15/PHO36	22/03/2023 11:10
Whipbird Signals Industry Talk : University of Queensland	22/03/2023 18:00
Present and Future Spin-on Electro-optic Waveguide Modulator : South Australia Section Jt. Chapter, AP03/MTT17	24/03/2023 10:00
1TJPC - Meaningless clustering of time-series subsequences by Andrew Smith : Queensland Section Jt Chapter,SP01/COM19/GRS29	4/04/2023 17:30
Grid-forming Technologies Towards 100% Renewable Energy : Queensland Section Chapter, PE31/DEI32	13/04/2023 10:00
Control Systems Demonstration and Arduino Help Session : University of Queensland,Mu Kappa	19/04/2023 18:00
Distinguished Lecturer Tour: Network Slicing in 5G and Beyond: The Holy Grail of 5G and Beyond 5G! : Queensland Section Jt Chapter,SP01/COM19/GRS29	20/04/2023 15:00
Antenna, Microwave and Electromagnetic Research For Smart Cities : South Australia Section Jt. Chapter, AP03/MTT17	20/04/2023 14:30
5G and Beyond: A Diverse Set of Antenna Solutions for a Diversity of Requirements : Victorian Section Jt. Chapter, AP03/MTT17	26/04/2023 16:00
Terahertz Communications Accelerated by Photonic Technologies : South Australia Section Jt. Chapter, AP03/MTT17	3/05/2023 14:00
Recent Developments in Photovoltaics : University of Queensland,Mu Kappa	19/05/2023 17:00
CONVERTER-DRIVEN OSCILLATIONS IN POWER GRID WITH HIGH RENEWABLE ENERGY PENETRATION : University of Queensland,PE31	6/06/2023 15:00
Converter-driven Oscillations in Power Grid with High Renewable Energy Penetration : Queensland Section Chapter, PE31/DEI32	6/06/2023 15:00
1TJPC - True Time Delay In Phased Arrays : Queensland Section Jt Chapter,SP01/COM19/GRS29	6/06/2023 17:30
Dielectric Properties of Healthy Human Skin and Challenges towards Dermal Anomaly Detection using Electromagnetic Techniques : Queensland Section Jt. Chapter,AP03/MTT17	16/06/2023 16:00
ADVANCING INNOVATION IN GRID RESILIENCE AND EDGE TECHNOLOGIES : Griffith University,PE31	20/06/2023 15:00
Advancing Innovation in Grid Resilience and Edge Technologies : Queensland Section Chapter, PE31/DEI32	20/06/2023 15:00
ADVANCING INNOVATION IN GRID RESILIENCE AND EDGE TECHNOLOGIES (Visit of Dr. Jessica Bian) : University of Queensland,PE31	20/06/2023 15:00
IEEE AI Ethics and Governance workshops : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	3/07/2023 8:00
1TJPC - Segment Anything by Meta AI Research, FAIR : Queensland Section Jt Chapter,SP01/COM19/GRS29	4/07/2023 17:30

Advanced Prediction Techniques Applied to Smart Grids : Queensland Section Chapter, PE31/DEI32	7/07/2023 12:00
Engineering Collective Wisdom : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	14/07/2023 12:00
1TJPC - Universal Differential Equations for Scientific Machine Learning : Queensland Section Jt Chapter,SP01/COM19/GRS29	1/08/2023 17:30
Terahertz Integrated Circuits and Applications : New South Wales Section Jt. Chapter, AP03/MTT17	10/08/2023 9:30
Seminar Will the AI recognise you? : University of Queensland	10/08/2023 16:00
PSSE Training Session- Introductory : University of Queensland,PE31	11/08/2023 15:00
Griffith University IEEE PES Talk : Griffith University,PE31	15/08/2023 16:00
Introduction to Tracking and Sensor Fusion : Queensland Section Chapter, AES10	28/08/2023 21:00
1TJPC - More Data Can Hurt for Linear Regression: Sample-wise Double Descent : Queensland Section Jt Chapter,SP01/COM19/GRS29	5/09/2023 17:30
IEEE TenSymp Region 10 symposium 2023 : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	7/09/2023 12:00
Evolution of Grid Operation and Control : Queensland Section Chapter, PE31/DEI32	11/09/2023 14:00
CSIRO Data61: Soft Robotics : University of Queensland	18/09/2023 18:00
Wireless Energy Harvesting and Power transfer from RF to Optical Frequencies : Queensland Section Jt. Chapter,AP03/MTT17	27/09/2023 18:00
1TJPC - Qristal SDK - an open source quantum computing SDK : Queensland Section Jt Chapter,SP01/COM19/GRS29	3/10/2023 17:30
Robot Learning for Interaction and Assembly : Queensland Section Jt. Chapter, CS23/RA24	17/10/2023 16:00
IIBA Festival of Business Analysis 2023 : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	20/10/2023 11:30
Synchronous Machines and DFIM Using HF Transformer and DC/DC Converter for Offshore Wind Turbines : Queensland Section Jt. Chapter, PEL35/IE13/IA34	20/10/2023 12:00
E-Band Multibeam Transmitarrays for Unmanned Aerial Vehicle Aided Communications : South Australia Section Jt. Chapter, AP03/MTT17	24/10/2023 15:00
Robotic Burst Imaging for Light-Constrained 3D Reconstruction : Queensland Section Jt. Chapter, CS23/RA24	27/10/2023 11:00
Big Data in Power Systems : Queensland Section Affinity Group, YP	31/10/2023 17:00
DISTRIBUTED PHASED ARRAYS: CHALLENGES AND RECENT PROGRESS : New South Wales Section Jt. Chapter, AP03/MTT17	6/11/2023 10:30
US Geological Survey's National Innovation Center: An engine to solve challenges with technology partnerships : Queensland Section Jt. Chapter, CS23/RA24	6/11/2023 11:00
Griffith University IEEE PES Talk 2 : Griffith University,PE31	7/11/2023 14:00
1TJPC - Toolformer: Language Models Can Teach Themselves to Use Tools : Queensland Section Jt Chapter,SP01/COM19/GRS29	7/11/2023 17:30
Introduction to Electronic Warfare and Cognitive Electronic Warfare : Queensland Section Chapter, AES10	13/11/2023 9:00
DISTRIBUTED PHASED ARRAYS: CHALLENGES AND RECENT PROGRESS : Queensland Section Jt. Chapter,AP03/MTT17	14/11/2023 14:00
Interfacing clinical research and digital rehabilitation for extremity reconstruction in TechNeuroRehab : Queensland Section Chapter, EMB18	21/11/2023 12:00
AuDIITA 2023 Trust, Society, and Accelerating Technology : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	24/11/2023 9:00
UQ INDUSTRY 4.0 ENERGY TESTLAB VISIT : Griffith University,PE31	28/11/2023 15:30
UQ Industry 4.0 Energy TestLab Visit : Queensland Section Chapter, PE31/DEI32	28/11/2023 15:30
1TJPC Christmas party : Queensland Section Jt Chapter,SP01/COM19/GRS29	28/11/2023 17:30

Apart from the above event section has supported International Conference on Radar—Radar '23. The conference was held from Monday, 6th November, to Friday, 10th November, at the International Convention Centre in Sydney. The conference rotates annually through five different national hosts. Some readers would remember that the last time Radar came to Australia, in 2018, it was held in Brisbane.

B.4 Students Activities

- Total number of Student Branches in the Section
6 student branches
 - Number of Student Branches formed in the current year
 - 0
 - Section level student activities (student congress, paper and other contests, awards etc)
 - IEEE Queensland Session Student Energy Forecasting Competition 2023
 - 6 travel awards to attend conferences offered by PES
 - 3 awards for best undergraduate thesis
 - Software workshop
 - Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
4 student branches including IEEE- HKN
 - Summary of Student Branch activities (Student Branch wise with attachment table/information)
- Following table provides the summary of the activities conducted by the student branches.

Event Title	Event Date
Whipbird Signals Industry Talk : University of Queensland	22/03/2023 18:00
Industry Event Universal Field Robots : University of Queensland	6/04/2023 18:00
Control Systems Demonstration and Arduino Help Session : University of Queensland,Mu Kappa	19/04/2023 18:00
IEEE PES Day 2023 : University of Queensland,PE31	20/04/2023 17:00
Recent Developments in Photovoltaics : University of Queensland,Mu Kappa	19/05/2023 17:00
CONVERTER-DRIVEN OSCILLATIONS IN POWER GRID WITH HIGH RENEWABLE ENERGY PENETRATION : University of Queensland,PE31	6/06/2023 15:00
ADVANCING INNOVATION IN GRID RESILIENCE AND EDGE TECHNOLOGIES : Griffith University,PE31	20/06/2023 15:00
ADVANCING INNOVATION IN GRID RESILIENCE AND EDGE TECHNOLOGIES (Visit of Dr. Jessica Bian) : University of Queensland,PE31	20/06/2023 15:00
IEEE Membership Drive : University of Queensland,Mu Kappa	26/07/2023 13:00
Seminar Will the AI recognise you? : University of Queensland	10/08/2023 16:00
PSSE TRAINING SESSION- INTRODUCTORY : Griffith University,PE31	11/08/2023 15:00
PSSE Training Session- Introductory : University of Queensland,PE31	11/08/2023 15:00
Griffith University IEEE PES Talk : Griffith University,PE31	15/08/2023 16:00
CSIRO Data61: Soft Robotics : University of Queensland	18/09/2023 18:00
Founders Day Celebration : University of Queensland,Mu Kappa	23/10/2023 17:30
IEEE-HKN Student Leadership Conference : University of Queensland,Mu Kappa	3/11/2023 9:00
Griffith University IEEE PES Talk 2 : Griffith University,PE31	7/11/2023 14:00
UQ INDUSTRY 4.0 ENERGY TESTLAB VISIT : Griffith University,PE31	28/11/2023 15:30

B.5 Affinity Group Activities

- Young Professional (YP)

The following activities were organized by YP

Event Title	Event Date
Connect with YP : Queensland Section Affinity Group, YP	26/09/2023 17:00
Meeting with R10 YP Affinity group Coordinator : Queensland Section Affinity Group, YP	26/09/2023 18:00
Big Data in Power Systems : Queensland Section Affinity Group, YP	31/10/2023 17:00

- Women In Engineering (WIE)

The following activities were organized by WIE

Event Title	Event Date
IEEE WiE QLD Virtual Meet & Greet : Queensland Section Affinity Group, WIE	22/06/2023 16:00
Connect with YP : Queensland Section Affinity Group, WIE	26/09/2023 17:00

- Life Member (LM)

The following activities were organized by LM

Event Title	Event Date
Life Members Affinity Group - The UQ Supercomputer - What Bunya Does : Queensland Section Affinity Group,LM	24/10/2023 13:00
Artificial Intelligence: Current Progress and Future Prospects? : Queensland Section Affinity Group,LM	23/11/2023 12:30

B.6 Awards & Recognition Activities

- Award constituted by the Section

Following awards are presented by the section:

1. Outstanding QLD Outstanding Volunteer Award
2. Outstanding Women in Engineering Award
3. Outstanding Young Professional Award
4. Student Thesis Awards
5. PES Conference Travel Prize Awards
6. PES Outstanding Engineer Award
7. PES Outstanding Volunteer Award

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year

Dr Hugo Espinosa was awarded the 2023 IEEE APS Donald G Dudley Jr Undergraduate Teaching Award with the following citation: "In recognition of his innovations in teaching and curriculum development, successfully equipping emerging generations of engineers with the skills needed to address important sustainability challenges"

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)

Two newsletters were produced in 2023.

Name – IEEE QUEENSLAND SECTION NEWSLETTER

Newsletter 1 – June 2023 Volume 23 Issue 1

Newsletter 2 – September 2023, Volume 23 Issue 2

- Home Page of the Section (give the URL and how often it is updated)

<https://r10.ieee.org/queensland/>

This website is updated regularly when new information is available. Typically once a month between February and November

- Other means of contacts with Section members including social media Through enotices, LinkedIn and Facebook.

B.8 Industry Relations

- Membership growth and retention
Total member number remains almost the same. Based on OU Analytics there is 0.69% growth from December 2022 to Dec 2023. There is a senior member growth of 3.97%. This is mainly due to our campaigns for SM promotion among industry members.
- Activities for/with industrial members
Most of the technical presentations are aligned with current industry interests. We have also organized social activities to encourage qualified members to apply for IEEE SM level.

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
No activities in this category have been conducted in 2023
- SIGHT Activities
No SIGHT activities conducted by the section.

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
Section was organize IEEE day and AGM dinner. PES chapter has organized the IEEE PES day with a BBQ and plant activity.

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
Typically, IEEE Queensland section organizes special events to celebrate IEEE milestones and to recognize achievement of its members. This helps increase member visibility and retaining the members. However with the pandemic section has moved away from this practice. Hope we could start this good practice in 2024.
- Funding secured from the IEEE and external sources including sponsorships
No extra funding is secured from IEEE other than the usual Levy and high performance payments.

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
IEEE Qld section has an Engineers Australia liaison officer to promote relationship between IEEE and Engineers Australia.
- Details of joint activities
This year no joint activities were conducted.
- Benefit to IEEE members (for example discounts, access to technical information etc.)

- Access to technical information and other resources supplied by engineers Australia.
 - Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
- Engineers Australia has wider audience, and this helps us to use their service to promote IEEE activities. Engineers Australia has an auditorium facility and this facility is available for IEEE members when running the joint activities.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
Number of activities (especially online seminars) organized by our chapters are joint activities with the other sections in Australia.
- Joint activities with any other Section

Following activities were organized as joint events:

Event Title	Event Date
SSIT Australia 2022 AGM : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	24/02/2023 12:00
Present and Future Spin-on Electro-optic Waveguide Modulator : Victorian Section Jt. Chapter, ED15/PHO36	22/03/2023 11:10
Present and Future Spin-on Electro-optic Waveguide Modulator : South Australia Section Jt. Chapter, AP03/MTT17	24/03/2023 10:00
Antenna, Microwave and Electromagnetic Research For Smart Cities : South Australia Section Jt. Chapter, AP03/MTT17	20/04/2023 14:30
5G and Beyond: A Diverse Set of Antenna Solutions for a Diversity of Requirements : Victorian Section Jt. Chapter, AP03/MTT17	26/04/2023 16:00
Terahertz Communications Accelerated by Photonic Technologies : South Australia Section Jt. Chapter, AP03/MTT17	3/05/2023 14:00
Cyber operations and autonomous cyber capabilities under international law in peacetime : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	16/05/2023 14:00
Ethical challenges in internet research: Managing qualitative data from digital and social media communities : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	1/06/2023 12:00
Transparency in the Consumer Internet of Things : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	21/06/2023 18:00
IEEE AI Ethics and Governance workshops : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	3/07/2023 8:00
Engineering Collective Wisdom : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	14/07/2023 12:00
Terahertz Integrated Circuits and Applications : New South Wales Section Jt. Chapter, AP03/MTT17	10/08/2023 9:30
Regulating a "Cyber Militia" - Some Lessons from Ukraine, and Thoughts about the Future : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	22/08/2023 13:00
IEEE TenSymp Region 10 symposium 2023 : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	7/09/2023 12:00

IIBA Festival of Business Analysis 2023 : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	20/10/2023 11:30
E-Band Multibeam Transmitarrays for Unmanned Aerial Vehicle Aided Communications : South Australia Section Jt. Chapter, AP03/MTT17	24/10/2023 15:00
DISTRIBUTED PHASED ARRAYS: CHALLENGES AND RECENT PROGRESS : New South Wales Section Jt. Chapter, AP03/MTT17	6/11/2023 10:30
AuDIITA 2023 Trust, Society, and Accelerating Technology : Victorian/ACT/NSW/Qld/SA/WA Jt Chap, SIT30	24/11/2023 9:00

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
Section supported all of the activities carried out by the chapters. Most of the events under the section were carried out by the chapters.
- Joint activities for membership development
IEEE day with PES was a successful membership development event
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section
Not applicable.

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

Organizing monthly meetings in Hybrid form – Queensland is a large state, and this helped to increase committee participation in meetings.

We have a preapproved budget limit for the IEEE activities. This helps us to avoid requesting budget approvals for smaller expenses.

C.6 Problems anticipated and suggestions for solutions, if any

Industry engagement in IEEE activities is limited. We are planning to organize some technical seminars at industry locations which helps to increase our visibility in the industries.

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

The section is planning number of events to celebrate 40 years of Queensland section in parallel with 140 years of IEEE celebration. We have already nominated a Chair to lead these activities. Currently working on forming a committee. Activities are planned to execute early 2025.

The section is planning to organize a site visit for its members. We have identified a couple of potential locations, and the section committee is currently working on arranging logistics for these visits.

D.2 Goals and Future Plans

Goals:

- Promoting at least 5 qualified members to apply for senior membership
- Supporting up to 3 student members to attend at least one conference
- Organizing at least two events at industry premises.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

A membership fee scheme which reduces the membership fee when the consecutive number of years of the membership is increased. This can be on 5 years or 10 years steps. To receive this benefit members should retain the membership continuously.

D.4 Business Plan for Sustainable Growth and Financial Stability.

Queensland section is promoting student activities, and provide 50-% of membership fee to get a new student membership. This allows us to attract more student members whom may continue the membership after graduation.

Our current financial status is healthy with 3 fixed deposits. We are helping the chapters to organize conferences that would provide us some financial benefits. When supporting such events we discuss potential risks and try to minimize the effect of those risks.