

Region 10 Section Report Format

(Please replace above heading with your Section name)

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List

Position

Name

Chair

[Ambarish Natu](#)

Vice Chair

[Ashley Chonka](#)

Secretary

[Anthony Jones](#)

Treasurer

[Russell Gentle](#)

Webmaster/Newsletter

[Jeta Vedi](#)

Educational/Student Activities

[Thien Truong](#)

Membership Development

[Anthony Jones](#)

Professional Activities

[Sharon Lim](#)

Life Member Co-ordinator

[Dale Siver](#)

Student Activities Co-ordinator

[Thien Truong](#)

Societies Chapter Chairs

Antennas-Propagation/MTT (CH10298)

Greg Durnan

Aerospace and Electronics Society (CH11028)

[Lily Qiao](#)

Computer Society (CH10257)

[Yanchang Zhao](#)

Joint Photonics & EDS (CH10113)

[Hieu Nguyen](#)

Signal Processing & Communications (CH10229)

[Chiu Chan](#)

Geoscience and Remote Sensing (CH10522)

[Xiuping Jia](#)

Nanotechnology Council (CH10524)

[Zhe Li](#)

Computational Intelligence (CH10724)

[Hemant Singh](#)

Systems, Man and Cybernetics (CH10856)

[Huadong Mo](#)

Control Systems (CH10934)

[Iman Shames](#)

Oceanic Engineering

Vacant

Young Professionals (YP00561)

[Shadi Abpeikar](#)

WIE Affinity Group (WIE00561)

[Sahar Idrees](#)

TISP Coordinator

Vacant

ANU Student Councillor

Vacant

ADFA Students Councillor

[Lily Qiao](#)

Student Branches Representatives

Australian
(STB08001)

National

University

[Jiarui \(Frank\) Wang](#)

UNSW
(STB09141)

Canberra

(ADFA)

[Jue Zhang](#)

Student
(SBC09141)

Chapter

GRSS

[Jue Zhang](#)

University of Canberra

Vacant

- In 2023, the ACT Section hosted the IEEE Region 10 Symposium (TENSYP) and made history by becoming the smallest section ever to host TENYSMP and furthermore recorded a huge surplus in the history of TENSYP to the margin of more than 13,000 Australian Dollors. Four Administrative meeting were held in 2023, 02 February 2023, 01 April 2023, 09 June 2023, 02 November 2023 and the

Annual General Meeting was held on 30 November 2023. The Section partially funded Fouad Karouta and Shadi Abepikar to attend the regional WIE event in New Zealand in December 2023. The section funded the ACT Children's Week to the amount of \$1000 towards educational activities. The ACT Children's Week won the IEEE Friends of the MGA Award for their on-going support for promoting STEM in the region. A number of activities were carried out by the section and were reported in the Region 10 Newsletter.

- Major Events (International, National)
Ambarish Natu attended the R10 meeting in Vietnam and the Section Congress in Ottawa, Canada 2023 as the section primary delegate. Two IEEE Milestones were approved by History Committee namely the Deep Space Station 43 and Commonwealth Solar Observatory. These celebrations will be scheduled in 2024 at an appropriate time. This is a significant recognition in the Oceania region as before this only the Parkes Telescope in New South Wales section was the only other IEEE Milestone in Australia. This will result in the IEEE President visiting Canberra for the first time since its inception as a section.
- Major Chapter Activities
Most of the Chapters completed their activities for the year that were mandatory, there were instances where chapter chairs did not manage to complete their quota of activities or even if they did they have not managed it to report them via vtools by the stipulated date of 31 December 2023. I am reliant on information filled via vtools where reporting about this activity.
- Major Student and Affinity Group Activities
Several BBQs were organized by our ANU student branch representative during 2023 and Frank Wang received the Best Volunteer Award from the section for his exceptional contribution for student activities at the ANU.
- Awards

A.2 Financial Report – (Please follow the format given below)

2023 Opening Balance AUD 24802.34

2023 Income: AUD 32397.51

2023 Expenses AUD 20176.02

2023 Closing Balance AUD 37023.83

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
December 2023: 477
December 2022: 486
December 2021: 482

We have managed to keep our core membership in 2023 with more membership development activities planned in 2024.

B.2 Chapter Activities

- Total number of Chapters in the Section: 10
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 8

1. Antennas and Propagation Microwave Theories Chapter AP03/MTT17

No activities reported for 2023

2. Computer Society Chapter C16

Three technical activities were organised, 03 Mar, 17 Mar and 26 Jun

3. Photonics and EDS Chapter ED15/PHO36

Three activities were organized on 10 May, 15 May and 14 Aug

4. Nanotechnology Council Chapter NANO42

Two activities organized on 22 May and 08 Jun

5. Signal Processing & Communications Chapter SP01/COM19

Six Technical activities organized on 07 Feb, 08 Mar, 19 Apr, 18 Aug, 02 Nov and 21 Nov

6. Geoscience and Remote Sensing joint ACT and NSW Chapter (Student Branch included)

Two joint activities organized 03 Jul and 30 Nov

7. Computational Intelligence Society CIS11

Three activities organized two of them were organized on 05 Jun and one on 29 Aug

8. Systems, Man and Cybernetics Society C16

Three Technical activities organized on 31 May, 09 Oct and 06 Dec

9. Aerospace and Electronic Systems Society AES10

Three technical activities were organized on 28 Jul, 16 Aug and 13 Sep. The annual gathering of its member was held on 28 Nov

10. Control Systems Society CS23

No activities have been recorded for 2023

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

Event Title	Event Date and Time
ANU IEEE Members' Gathering : Australian National University	22/05/2023 12:30
Second ANU IEEE Members' Gathering : Australian National University	18/08/2023 14:00
ACT Branch Milestone: Australian Capital Terr Section Affinity Group,LM	7/09/2023 10:00
Third ANU IEEE Members' Gathering : Australian National University	2/11/2023 13:00

B.4 Students Activities

There is one student branch of GRS society which conducted two joint activities with GRS Chapter as reported earlier.

B.5 Affinity Group Activities

1. Fouad Karouta and Shadi Abpekar attended the Women in Engineering ILS in Auckland, New Zealand in December 2024 to share their experience at the event and interact with fellow colleagues. The section partially funded them to the order of AUD 500 and AUD 1500 respectively.

- Life member coordinator for our section Dale Siver organized two activities during this year. Two life members contributed significantly their time and knowledge with TENSYP 2023 attendees.

B.6 Awards & Recognition Activities

- Frank Wang was awarded the Outstanding Volunteer Award for valuable contributions to the Student Branch activities of the Australian National University.

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

- The IEEE Australian Capital Territory Section contributed actively to the R10 newsletter by sharing activities conducted during 2023.
- Home Page of the Section: [IEEE Australian Capital Territory Section](#)
- Other means of contacts with Section members including social media: <https://www.linkedin.com/company/76252810/admin/>
- Instagram : <https://www.instagram.com/ieeect/>

B.8 Industry Relations

No activities during this year.

B.9 Humanitarian Technology Activities

No activities during this year

B.10 Community Activities

The ACT Section AGM was held on 30 November at The University of New South Wales, Canberra campus a closed space area with access to kids play grounds and activities. More than 50 members participated in the AGM including non-members which were mostly family members of IEEE members. The Thai Food was delicious accompanied by drinks made the day an enjoyable with the weather disappointing the day with rain. Nevertheless, the section celebrated the TENSYP 2023 success during the AGM.

PART C - OTHERS

C.1 Special Events

The section hosted the 2023 IEEE Region 10 Symposium (TENSYP) from 6-8 September 2023 at The University of New South Wales, Canberra. The event from sponsored by IEEE ACT Section, IEEE Region 10, The University of New South Wales and Canberra Convention Bureau. The conference received funding from IEEE Region 10, IEEE Standards Association and the Canberra Convention Bureau. The event was a grant success with the conference making a surplus of more than AUD 13,000. Furthermore, IEEE ACT Section became the smallest section to host this conference in its history. Photos from this conference can be viewed on the IEEE TENSYP 2023 Facebook page.

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

The IEEE ACT Section has an agreement with the ACT Children's Week to promote STEM within the region. As part of the agreement, IEEE ACT Section proposed the Best STEM volunteer award to be awarded to candidates that promote STEM within the region by providing a grant of \$1000 towards STEM activities for awardees. This agreement was carried forward into this year too to support STEM activities in the region. Deputy Chief Minister Yvette Berry of the Australian Capital Territory presented the award to the winners and was witnessed by members of the IEEE ACT Section.



C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

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

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

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

ExCom meetings, seminars and most Section activities are organized using free venues at the Australian National University, UNSW-Canberra, locals in Black Mountain, etc and does not cost anything to the section or members as venue costs. Section covers for any incidental expenses from its budget for food and drinks.

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

PART D - GOALS AND PLANS

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

- 1) IEEE Deep Space Station - 43 Milestone celebration with IEEE President Elect 2024 – Kathleen Karmer attending this event.
- 2) Commonwealth Solar Observatory Milestone
This Solar Observatory is located at Mount Stromlo and the ACT Section will plan and organize a ceremony for this milestone which will happen on 03 September 2024. IEEE Life Fellow Thomas M. Coughlin, the 2023 IEEE President will attend the ceremony in Canberra.

- 3) Canberra Mathematical Association 2024 Conference (<https://www.canberramaths.org.au/>)
The 2024 conference is on Saturday 16th March at the Australian Defense Force Academy, Northcott Drive, Campbell. The attendees of the CMA conference is round 200 and the majority of them are school mathematical teachers. ACT Section has a display on the conference and provide the IEEE STEM education resources to the attendees.
- 4) 2024 ACT Children week (<https://www.actchildrensweek.org.au/>) on 21-25 October
This is to forge partnerships with local educational institutions to support STEM education initiatives and promote technology-related learning opportunities for students.

D.2 Goals and Future Plans

The ACT section goals, and future plans align with the IEEE Strategic Plan 2020-2025. The goals of the ACT section are twofold. Firstly, we endeavor to empower all local chapters and affiliates to orchestrate technical and professional events, fostering a stronger technical community and driving technological advancement. Secondly, our focus is on establishing transparent local bylaws and operational procedures to facilitate seamless day-to-day operations within the section, fostering an efficient and supportive working environment.

The plans include the following three aspects.

- **Technical and Professional Event Series:**
 - Support chapters to plan and organize IEEE Distinguished Lectures' visits, a series of technical workshops, and seminars etc. through the, covering a diverse range of topics relevant to the interests of local members.
 - Collaborate with industry experts, academia, and other professional organizations to deliver high-quality events that offer valuable learning and networking opportunities.
 - Implement feedback mechanisms to continuously improve event offerings based on attendee input and emerging industry trends.
- **Membership Engagement Initiatives and Educational collaborations**
 - Develop outreach programs to engage with existing members and attract new ones, highlighting the benefits of ACT section membership and involvement.
 - Organize social events, networking mixers, and community-building activities to strengthen relationships among members and enhance the sense of belonging within the ACT section.
 - Continue our support for Canberra Mathematical Association, ACT Children week, which are local educational associations to support STEM education initiatives and promote STEM.
- **Enhancement of Internal Processes:**
 - Review and update the section's bylaws and operational procedures to ensure clarity, transparency, and compliance with IEEE guidelines.
 - Implement digital tools and platforms to streamline administrative tasks, such as action plan tracker and how-to introduction.
 - Update the website information and consider this is a main community platforms dedicated to ACT members.
 - Establish regular review cycles to assess the effectiveness of programs, initiatives, and operational processes within the ACT section.

- Solicit feedback from members and volunteers, to identify areas for improvement and innovation.
- Benchmark against industry/university best practices and seek opportunities for collaboration with other IEEE sections or professional organizations to leverage collective expertise and resources.

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

To enhance member engagement and attract attention, our strategy revolves around hosting high-quality events and organizing activities directly relevant to their professional endeavors. By curating an array of impactful events and activities, we aim to captivate our members' interest and provide them with valuable opportunities for growth and development within their respective fields. Through these initiatives, we seek to foster a vibrant community that actively participates and thrives on the exchange of knowledge, ideas, and experiences.

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

The ACT section in Australia may be smaller in size, but we highly value each current and prospective member. Our sustainability hinges on delivering high-quality technical and professional activities tailored to our members, fostering innovation-driven work environments. Internally, we will focus on improving operational efficiency, prioritizing transparent management, and fostering mutual trust to ensure long-term viability. Through these efforts, we aim to drive innovation, optimize costs, and seize emerging opportunities, positioning our organization for success in a competitive landscape.