



IEEE SOUTH AUSTRALIA
SECTION

2021 ANNUAL REPORT

Annual General Meeting

19 November 2021

Adelaide Pavilion

Part A Section Summary

A.1 Executive Summary

In my first annual report, as Chair of IEEE South Australia Section, I would like to express my thanks to all the Executive committee members for their support and making it possible for the smooth running of the committee during this year. These include: Vice-chair – Shela Cook, Treasurer – Brian Ng, and Secretary – Michael Sadler.

I also would like to express my gratitude to all the Technical Chapter and Affinity Group Chairs and the members of the respective committees, as well as the leadership teams of our Student Branches: Abigail Wicks, Eric Ruan and Vanika Sharma. This year COVID meant that we didn't hold any in-person events or functions. However, I am really impressed with how each chapter has adapted to running technical meetings virtually.

Dr Luke Rosenberg
Chair IEEE SA Section, 2021
luke.rosenberg@ieee.org

SECTION EXECUTIVE COMMITTEE MEMBER LIST

South Australia Section	Chair	Luke Rosenberg
	Vice-Chair	Shela Cook
	Treasurer	Brian Ng
	Secretary	Michael Sadler
Power & Energy Society	Chair	Athmi Jayawrdena
	Vice-Chair	Jamal Alameddine
	Treasurer	Vanika Sharma
	Secretary	Jamal Alameddine
Computer Society	Chair	Adriel Cheng
	Vice-Chair	Adam Burdeniuk
	Treasurer	Hong Gunn Chew
	Secretary	Andrew Mcdonnell
CAES	Chair	Waddah Al-Ashwal
	Vice-Chair	Luke Rosenberg
	Treasurer	Leigh Powis
	Secretary	Kutluyil Dogancay
C&SP	Chair	Ngoc Hung Nguyen
	Vice-Chair	Jignesh (Jay) Jokhakar
	Treasurer	Brian Ng
	Secretary	Sherry Randhawa
AP/MTT	Chair	Morteza Shahpari
	Vice-Chair	Shengjian Jammy Chen
	Treasurer	Bobby Yau
	Secretary	Wendy Lee
Young Professionals	Chair	Michael Sadler
	Vice-Chair	Elizabeth Hodgins
	Treasurer	Scott Sleep
	Secretary	Shela Cook

Life Members Affinity Group	Chair	Don Sinnott
	Vice-Chair	Keith Kikkert
WIE Affinity Group	Chair	Shela Cook
	Vice-Chair	Sherry Randhawa
	Treasurer	Pina Dall'Armi-Stoks
	Secretary	Elizabeth Hodgins
Webmaster		Scott Sleep
Membership development		Michael Sadler
Section coordinator		Shela Cook
Educational activities		Sherry Randhawa / Brian Ng
University of Adelaide Student Branch		Eric (Mingzhe) Ruan
Flinders University Student Branch		Abigail Wicks
University of South Australia Student Branch		Vanika Sharma

Our Section had a year full of high-quality technical activities. In support our members and the local community, the IEEE SA Section chapters, student and affinity groups held 60 technical events.

PES	Comp.	CAES	C&SP	AP/MTT	YP	LMAG	WIE	AU	FU	UniSA
3	1	12	4	9	1	6	3	6	10	5

The IEEE SA Section Committee met eight times in 2021 (February, April, June, August, September, October and November (AGM)). The Section Committee members also maintained ongoing contact by email to deal with issues that could be handled by electronic means.

The SA Section Chair, Luke Rosenberg attended the regular meetings of the IEEE Australia Council meetings in 2021, chaired by Daniel Eghbar, in order to coordinate with other Australian Sections.

The SA Section Chair also attended the Region 10 Annual Meeting, held virtually in March 2021.

The Australian Council 35 Year anniversary occurred in October celebrating awards for members serving great than 20 years. Congratulations to Keith Kikkert and Michael Evens for their achievements.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

Our membership statistics for 2021 (IEEE OU Analytics as of 8 November 2021) are shown in the table below.

Current Grade Description	Count of Members (2021)
Associate member	1
Fellow	7
Graduate, Student member	48
Life Fellow	2
Life Member	18
Life Senior	10
Member	319
Senior Member	68
Student member	17
Affiliate	8
TOTAL	498

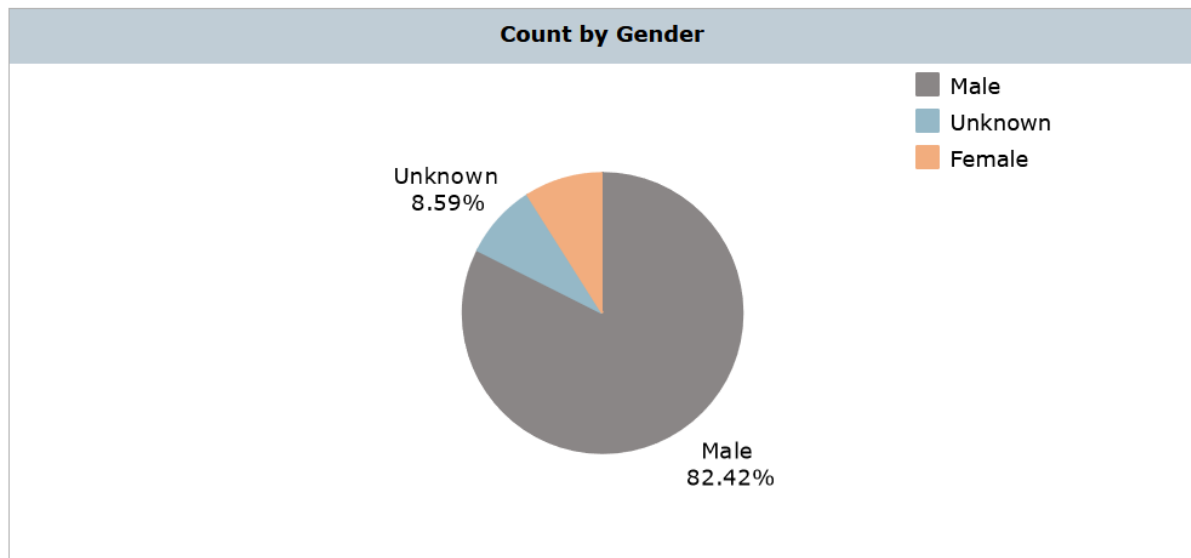
Overall, SA section total count of members in 2021 is up by 4% compared to 2020. This year we received recognition for meeting both our recruitment and retention goals for the 2021 membership year. That is continued growth for three consecutive years.



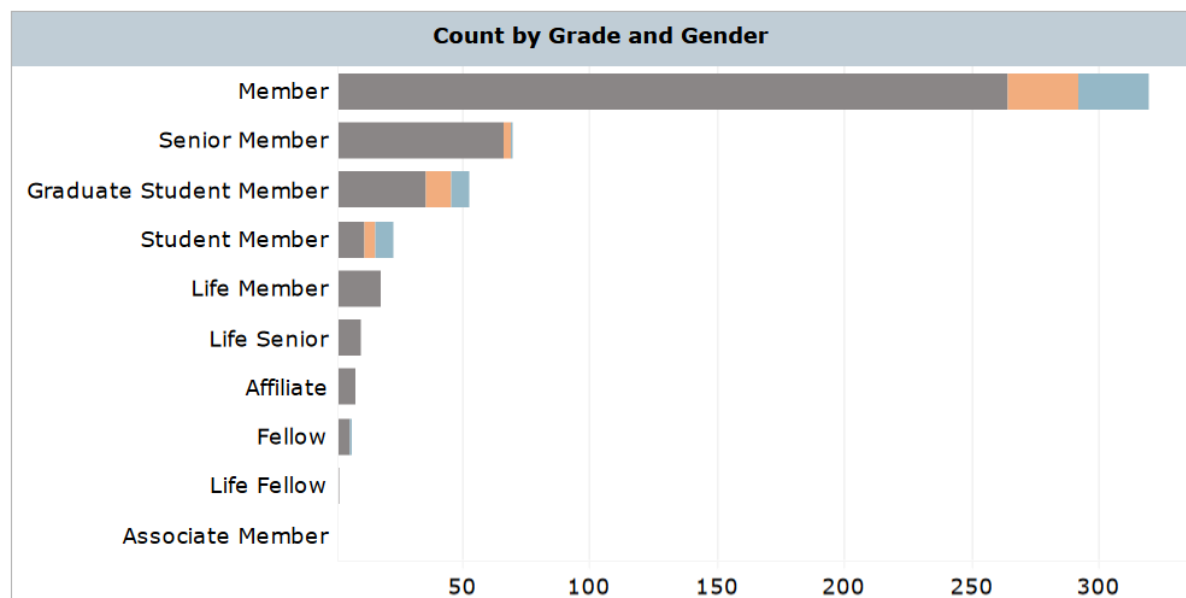
**2021 Outstanding Section Membership
Recruitment and Retention Performance**

South Australia Section

The spread in terms of gender is shown below, with 8% female, 82% male and 8.7% unknown.



The count by grade and gender shows this information in a different fashion. The majority of female members are student, members or members.



B.2 Chapter Activities

IEEE South Australia section has five active chapters: Computer, Communication/Signal Processing, Antenna Propagation/Microwave Theory & Techniques, Control/Aerospace and Electronic Systems, and Power Engineering Chapter.

In addition, the Australia Council has Australia wide Society on Social Implications of Technology chapter and the Ocean Engineering Chapter. There are no representatives from SA for these joint chapters.

The technical activities for each of the current chapters are in their respective AGM reports.

B.3 Students Activities

IEEE South Australia has three student branches at Adelaide University, Flinders University, and the University of South Australia. In order to encourage more student members, the Section presents an award to a student at each of the three South Australian universities for the best achievement in electrical and electronic courses. The students are nominated by the University, and the awardees receive a certificate and a cash prize. The student award prize-winners for the IEEE South Australia Section 2020 Student Award for Excellence in Engineering with an electrical and/or electronics emphasis are:

- Bradyn Walsh, University of Adelaide
- Luke Voigt, Flinders University
- Kusthiyagala Hewage Binu Minsa Sumanadasa, University of South Australia

In addition, the 2019 University of South Australia award winner was identified:

- Mary-Ann Stephen Kingu, University of South Australia

These awards will be presented to each of the students at the 2021 SA Section's End of Year dinner. The Student Branches at The University of Adelaide and Flinders University continued their high levels of activity. Special thanks to Vanika Sharma for restarting the University of South Australia student branch this year.

B.4 Affinity Group Activities

South Australia Section has three Affinity Groups: Young Professionals (YP), Women in Engineering (WIE) and Life Members Affinity Group (LMAG). The reports for these Affinity Groups are included in their respective AGM reports.

Special mention goes to the WIE group for their Kangaroo Island STEM workshop which was hugely successful.



Visit to Kangaroo Island, 23-25 June 2021 by the WIE affinity group to promote STEM.

Part C- External Engagements

C.1 Relationship with National Societies

In the past, the IEEE-SA Section has had a strong collaboration with our professional colleagues in Engineers Australia, the Institution of Engineering and Technology (IET), and the Telecommunication Society of Australia (TSA). While there were ongoing technical meetings with the IET, the joint technical program (JTP) did not run in 2021. This was due to the IEEE/Engineers Australia MoU expiring, and there being a delay in establishing a new one. Re-establishing this program will be a focus for 2022.

C.2 Special Events

- IEE Sections congress was held virtually from the 9-11 April
- SA Section networking function was not held this year due to COVID concerns.

C.3 Collaboration with other IEEE Sections

Collaboration with other neighbouring IEEE Sections has been handled through IEEE Australia Council.

C.4 Problems ongoing/anticipated

The section anticipates that finding young people to be active IEEE members and volunteers is one of the biggest challenges that our section is facing in the future. This problem is also faced by many other sections around the world. Young members are under increasing time pressure from their employers and finding time for IEEE volunteering is a challenge. Another major concern is that we need to develop new Chapters that are in-tune with new directions in the industry.

Part D – Concluding Remarks

Whilst the section does have a strong bank balance and has financial stability, I hope that for the coming year, the section will try different strategies to engage with potential members, particularly young professionals and postgraduate university students. I hope to see further engagement and leadership from our young members. I would like to see the JTP re-established in 2022 to build on the previous relationship between the IEEE and the IET and Engineers Australia.

Dr Luke Rosenberg
Chair IEEE SA Section
14 November 2022
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