

## IEEE UNSW SB AGM Report 2019

### I. How has the Club succeeded in reaching its aims and objectives in 2019?

Just being established this June 2019, the IEEE UNSW student branch aims to advance technology for humanity by i) disseminating knowledge of the theory and practice of all aspects of electrical engineering, electronics, radio, allied branches of engineering or the related arts and sciences, and by ii) furthering the technical professional development of students.

IEEE UNSW student branch was successful in achieving these by strengthening the executive team and by leveraging the IEEE network at NSW while strategically navigating the trimester transition which has greatly affected UNSW student life.

Internally, we planned and managed projects efficiently ensuring non-overlaps with the academic trimester workload, and implemented events under three main streams: technical seminars (sharing of industry professionals on how certain technology is used in industry), technical workshops (learn technical skills), and social (connecting engineers with each other).

Externally, IEEE UNSW student branch lead collaboration events with other student branches such as organising seminars for the NSW wide networking event (IEEE UNITE 2019), RESMED site visit, and IEEE Xtreme training and satellite participation.

### II. Student Branch Activities

#### Summary:

- 16 technical events reaching 400 cummulated attendees
- 5 social events reaching 150 cummulated attendees

#### Events:

Date	Event	Type	Estimated # of attendees
Feb 25, 2019	Inaugural General Meeting (Apply Arc affiliation)	Administrative	8
Apr 24, 2019	Motion Control PLC	Technical	40
Jun 5-6, 2019	Welcome Back	Social	50
Jun 13, 2019	An Introduction to Electronics and PCB Design	Technical	40
Jul 4, 2019	Meet and Greet BBQ + EGM	Social	41
Jul 8, 2019	Intro to Competitive Programming 01	Technical	29
Jul 20, 2019	Competitive Programming Workshop 02 - Data Structures	Technical	8
Jul 29, 2019	Competitive Programming Workshop 03 - Complete Search, Greedy	Technical	8
Aug 5, 2019	Competitive Programming Workshop 04 - Dynamic Programming Part 1	Technical	8
Sep 11-12, 2019	O-Week	Social	70
Sep 18, 2019	Wearable Robotics Taster	Technical	8
Sep 23, 2019	Competitive Programming Workshop Dynamic Programming	Technical	8
Sep 30, 2019	Competitive Programming Workshop Graphs Part 1	Technical	8
Oct 7, 2019	Competitive Programming Workshop Graphs Part 2	Technical	8
Oct 14, 2019	Intro to Wearable Robotics Workshops - Part 1 - CAD Design	Technical	20
Oct 14, 2019	Competitive Programming Workshop Maths	Technical	8
Oct 19, 2019	IEEE Xtreme @ UNSW	Technical	10

Oct 21, 2019	Intro to Wearable Robotics Workshops - Part 2 - uC Control	Technical	15
Oct 28, 2019	Intro to Wearable Robotics Workshops - Part 3 - Human Comp Inter	Technical	15
Nov 1, 2019	IEEE UNSW AGM 2019	Social	25
Nov 11, 2019	T3 Thesis Q&A	Technical	60

#### Collaboration:

May 13, 2019	Industrial Visit ResMed (primarily lead by MQU SB)	Technical
Aug 9, 2019	IEEE UNITE 2019 (Arranged the A birds eye view of the technological landscape: Seven of the latest seminar)	Social

#### Awards:

- Best IEEE Milestone video NSW level: the best video was used to promote AU's first and recent IEEE milestone, specifically the reception of first communication to Earth from a human walking on the moon, 1969, at Parkes radiotelescope and Honeysuckle Creek stations.
- Won travel grant to send one delegate to Christchurch, New Zealand to participate on ANZCON 2019, a professional development conference.
- UNSW won multiple awards during the IEEE UNITE 2019 student poster competition. Won 2 out of 3 awards in the undergraduate division, 1<sup>st</sup> (tie) and 2<sup>nd</sup> place in the postgraduate division.
- Team unswETgwapopips ranked 5th in Australia and 112th world (out of 5000+) at IEEE Xtreme 13.0.

#### III. Membership

- Registered IEEE member: 60 -> 135
- UNSW student society registered member (SpArc): 22
  - However, the number of people we interacted are ~100 (more than twice).
  - As IEEE UNSW SB only got affiliated with UNSW this year, we missed out Term 1 orientation week which is the time of the year where society get most of their SpArc registration.

#### IV. Financial Report

Income	
Arc Grants (UNSW student society governing body)	290.16
IEEE Grants	1142.73
Events Income	0
<b>Total Income</b>	<b>1432.89</b>
Expenditure	
Events Expenditure	1298.86
<b>Total Expenditure</b>	<b>1298.86</b>
<b>Net Profit/Loss</b>	<b>134.03</b>

As a general policy,

1. We aim to apply 65% expense from IEEE NSW section, 35% from UNSW Arc grants.
2. For purely IEEE NSW events, we apply 100% expense from IEEE NSW section.

Extra Notes:

- \$109.95 of the IEEE grant was from a joint event with MQU SB. The amount utilised by the IEEE UNSW SB is \$1,032.78.
- Arc Grants give extra incentive \$1 grant per Arc member attendee to certain IEEE UNSW SB events held on campus. The \$134.03 income was obtained from the said incentive and will be used during next year's activities (e.g., There is \$150 fee to join UNSW O week Term 1)

## V. Executive Team

	2019	2020
Chair	Luke Wicent Sy	Logan Peters
Vice Chair (UG)	Ricco Yudha	Dominic Wong
Vice Chair (PG Research)	-	Clay Chu
Treasurer	Alan Ngo	Alan Ngo
Membership Committee Officer / Grievance Officer	Stephanie Zhen	Victor Siu
Women in Engineering Chair / Equity, Diversity and Inclusion Officer	Namalka Liyanage	Stephanie Zhen
Arc Delegate	Lorenzo Saavedra	Jennifer Liu
Publicity Officer	Dominic Wong	Eddie Wong
Program Committee Officer	Logan Peters	Ann Lam
Secretary	Madhu Murali	Steven Yuen
Branch Councilor	Georgios Konstantinou	Georgios Konstantinou

### Notes:

- UNSW Arc (UNSW student society governing body) requires the following executive position: Grievance Officer, Equity, Diversity and Inclusion Officer, and Arc Delegate. Hence these positions were either created or merged with existing IEEE student branch positions.