

IEEE New Zealand Central Section

Annual General Meeting 2019

November 20, 2019 06:00pm –06:40pm

The meeting was held at Massey University, Palmerston North.

ATTENDEES	Donald Bailey, Hamish Bradley, Xiang Gui, Gourab Sen Gupta, Richard Harris, Steven Le Moan, Murray Milner, Yi Mei, Ken Mercer, Achintha Perera, Kanwal Zaidi, Fangfang Zhang, Mengjie Zhang
APOLOGIES	Ken Baird, Bob Hodgson, Yi Mei, Abhipray Paturkar, Sridhar Pulikanti, Bing Xue
AGENDA	<ol style="list-style-type: none">1) Welcome / Apologies2) Minutes of last AGM3) Chairs report4) Finance report5) Elections & Committee6) Resolutions7) Other business

	DISCUSSION	ACTION
2	Minutes of the last AGM	<i>Moved as accepted (Murray, seconded by Donald)</i>
3	Chair's report	<i>Moved as received (Murray, seconded by Richard)</i>
4	Finance report The attached report was distributed prior to the meeting. Note: We need to remind students who participated in the IEEE postgraduate event that they are eligible for a rebate on their membership fee.	<i>Moved as received (Murray, seconded by Steven)</i>
5	Elections & Committee The ballot for treasurer and secretary was initiated via IEEE vTools. It started Nov 4 and ended Nov 19, 2019. There was only one candidate for each role, with the possibility of write-in candidates. As per the results of the ballot: Yi Mei is re-elected as section treasurer (22/22 votes). Steven Le Moan is re-elected as section treasurer (23/23 votes). Other changes in the committee: <ul style="list-style-type: none"> - Abhpiray is the new student branch coordinator - Chanjief is the new membership development coordinator. - Kanwal returns to coordinating Women in Engineering - Sridhar is to take an "industry relations" role. - Achinthya and Fangfang are now part of the committee. 	
6	Resolutions Continue for a further year the current practise of making a membership grant available to postgraduate students who are involved in a committee role or present at the postgraduate event.	<i>Moved as accepted (Murray, seconded by Donald)</i>
7	Other Business (miscellaneous discussions) Student members should upgrade to graduate student members so they can vote. Senior committee members who are not Senior Member should consider becoming one. Richard created a list of all events organised by the Section that we need to keep up to date. This should be reminded at each committee meeting. Several members suggested that this year's AGM fees should all be covered by the Section. For future years, there should be a \$500 cap.	

IEEE NZCS Annual General Meeting

Chair's Report for 2019

Overview

The New Zealand Central Section has had another good year in 2019, with many events being delivered for members across many areas of interest. Many of these events involved Distinguished Lecturers from around the world. It is these activities which members find most interesting and enable us all to keep at the forefront of research within our fields of interest.

In 2019 we again held our two most prestigious events being the Postgraduate Symposium and the Combined Institutions breakfast. The first of these events is primarily focussed on our student members, while the latter is focussed on our industry collaboration. These events were again well received by members. More details on these events are provided below.

At this AGM we can celebrate the recent achievement of the Recruitment Goal Award for 2019, in recognition of the Section meeting its recruitment goal for the 2019 year. This is a goal that we need to achieve every year, but it is good to receive some recognition for our efforts, especially those of our membership coordinator: Abhipray Paturkar.

I would like to pass on my sincere thanks to all those members who helped to organise and support the wide range of activities undertaken by the Central Section during this year. Many people have contributed to this programme of activities and it is this volunteering spirit that makes the Section successful.

I also wish to take this opportunity to wish all members of the New Zealand Central Section a very happy festive season and hope you enjoy some relaxing holidays, ready to welcome 2020 with renewed vigour.

Administration

A total of 9 administrative meetings were held during 2019, with the final administration meeting of the year being this AGM. The list below gives the meeting dates, number of attendees and a reference to the associated minutes:

Date	# Attendees	Minutes File
9/10/2019	9	2019-10-09.pdf
11/09/2019	8	2019-09-11.pdf
7/08/2019	7	2019-08-07.pdf
5/06/2019	5	2019-06-05.pdf
8/05/2019	8	2019-05-08.pdf
6/04/2019	8	2019-04-06.pdf
6/03/2019	8	2019-03-06.pdf
13/02/2019	7	2019-02-13.pdf

The website provides comprehensive details of the items on the agenda and their discussion outcomes in the form of minutes. They are accessible from the Committee page of our website.

My thanks go to our active group of committee members:

- Xiang Gui,
- Steven Le Moan,
- Yi Mei,
- Donald Bailey,
- Richard Harris,
- Abhipray Paturkar,
- Ken Mercer,
- Ramesh Rayudu,
- Gourab Sen Gupta,
- Mengjie Zhang,
- Kanwal Zaida,
- Bing Xue,
- Arif Ahmed,
- Chanjief Chandrakumar

My special thanks go to Richard Harris who has done a tremendous job keeping the IEEE NZCS website up to date and vibrant, even given his personal challenges with ill health.

Affinity Groups

The Central Section has Student Branches at each of the main Universities within our region: Massey University and Victoria University of Wellington. Both groups have been active during the year.

Students from both the Massey University and VUW participated in the ANZSCON event held at Canterbury University over a weekend in April 2019. The students were sponsored by the Section to attend this event to a combined amount of \$1500.00.

The most prestigious student event each year is the IEEE Postgraduate Presentation Symposium, which was held at Massey University in Palmerston North on 26 August 2019. The event provided post-graduate students an opportunity to present their research. The three best presentations were recognized and awarded. Participants were eligible to apply for a grant to the section to cover their IEEE student membership for a year. 33 master and PhD students from Massey University, Palmerston North and Victoria University, Wellington participated in this symposium and presented their research work. My thanks go to the Student Branch members for organising this very successful event, and a report with photos can be found on the website.

A Postgraduate student member from VUW, Raghavender Goud Deshagani (Raghu) was awarded a prize to attend the IEEE Industry Applications Society Electrical Safety Workshop in March 2019. The Section supported the attendance at this workshop with an additional \$400.00 on the basis that the attendee delivers a seminar for IEEE members and report on his learnings from the participation in this event (see below).

Due to significant changes in the leadership of the Young Professionals group at the end of 2018, the YPs only held one event during the period at Victoria University of Wellington. The Women in Engineering Affinity Group has not been very active for much of the past year due to leadership absences on maternity leave and other external factors. We hope to re-invigorate both the YP and the WIE Groups in 2020.

Summary of Events

The Section has run or supported a total of eleven professional lectures and related events during the 2019 year. The specific details for these events are as follows:

- 12-14 February 2019: Multicore World conference.** IEEE NZCS members were offered a 10% discount to attend this conference and at no cost to the section. The 8th Multicore World is held annually in Wellington and provides the knowledge and strategies to future-proof your technological innovation. Speakers were from Intel, Arm, Facebook, Oracle, Broadcom as well as from the major US National Labs (Oak Ridge, Los Alamos, Argonne, PNNL) and from Japan, Singapore, Netherlands, UK.
- 10 June 2019: IEEE Distinguished Lecture by Professor Kay Chen Tan.** This lecture was held as part of the 2019 IEEE Congress on Evolutionary Computation - 10-13 June 2019 in Te Papa, Wellington. Professor Tan spoke on "Advances in Evolutionary Dynamic Multi-Objective Optimization" to an audience of some 100 people. The IEEE NZCS did not need to contribute towards this event.

- **25 June 2019: Public Seminar by Raghavender Goud Deshagoni (Raghu).** Raghu was awarded one of five student participation awards at the Electrical Safety Workshop held in Jacksonville, Florida, USA in March of this year (see above). He will present his [award-winning paper](#) and [his observations from the conference](#) at which it was presented. His talk was entitled "Factors Determining the Effectiveness of a Wind Turbine Generator Lightning Protection System". The seminar was held Victoria University of Wellington and some 12 people enjoyed the presentation and associated discussion.
- **26 June 2019: IEEE PES Distinguished Lecture by Dr. Damir Novosel.** This was lecture organised by the PES NZ Central Chapter, Transpower, and Victoria University of Wellington jointly with IET and EEA. The Distinguished speaker was from IEEE Power and Energy Society visiting New Zealand to deliver the Keynote during EEA 2019 conference.
- **2 July 2019: IET / IEEE Joint Event Presented by Dr. Stuart Johnson.** This a joint event by the IET and IEEE was entitled "Developing a distribution network for the future proofing of households". The talk provided an overview of 'Australian Open Network Program' that is future proofing household PV installations and battery systems in Australia. It was held at the Beca Offices in Wellington and was attended by about 25 people.
- **29 July 2019: VW-Stiftung project.** This was a joint MEE / CRISP / IEEE NZ Signal Processing and Information Theory Chapter seminar held at Massey University, Palmerston North. The presenter was Sven Simon, Professor of Parallel Systems, Institute of Parallel and Distributed Systems, University of Stuttgart, Germany. His topic was "Industrial 3D Computed Tomography with Applications in Electrical Engineering". Details can be found at: IEEE NZ Central Section website in the Recent Events section <http://ewh.ieee.org/r10/nzc/#RecentEvents>.
- **26 August 2019: IEEE Postgraduate Symposium held at Massey University in Palmerston North** This event involved presentations from some 33 master and PhD students from Massey University, Palmerston North and Victoria University, Wellington who presented their research work. In addition, there were approximately 30 fellow students who enjoyed the presentations. The three best presentations were recognized and awarded with prizes.
- **11 September 2019: Combined Institutions Breakfast Event.** This is an annual joint event between the engineering institutions (IEEE, IET and Engineering New Zealand). This year the guest speaker was Andrew Carroll, General Manager, Network and Field Management, Chorus who spoke on the topic of "Challenges in Deploying Fibre Optic Cable to 87% of New Zealand Premises". About 30 people attended this event.
- **1 October 2019: Workshop on Hyperspectral and thermal remote sensing - From Data to Applications** This event was held at Massey University and involved some 18

speakers on the above topic. Further information can be found at IEEE NZ Central Section file:///D:/My Webs/IEEECentral2/index.html4 of 8 2/11/2019, 10:25 am.

- **7 November 2019: IEEE PES Distinguished Lecture by Dr. Joseph Minervini from the Plasma Science and Fusion Centre, Massachusetts Institute on the topic of Compact Fusion: A Faster Path to Limitless Clean Energy.** This lecture is being organised by IEEE PES NZ North (Auckland), IEEE PES NZ Central (Wellington) and IEEE PES South (Christchurch), New Zealand Electrical Energy and Power Sciences (NZEEPS) and the Robinson Research Institute, Victoria University of Wellington. (IEEE NZ Central Section file:///D:/My Webs/IEEECentral2/index.html)
- **18-21 November 2019: 11th EAI International Conference on Ad Hoc Networks (ADHOCNETS 2019) to be held in Queenstown, New Zealand.** (<http://www.adhocnets.org/>) The annual International Conference on Ad Hoc Networks (AdHocNets) focuses on ad hoc networking technologies and their applications.

There are two events planned for post the AGM as follows:

- **21 November 2019: Colour and Visual Appearance in Computer Graphics and 3D Printing.** This event is co-sponsored by the IEEE New Zealand Central Section and Massey University. It involves a number of presentations on related topics as follows:
Fabricating Beauty:
The Art and Science of Graphical 3D Printing
 Prof Philipp Urban, Head of Competence Center
 Fraunhofer Institute for Computer Graphics Research (Germany)
Voxel Printing Hyper-realistic Eyeballs
 Tor Robinson, Digital Manufacturing R & D Specialist
 Weta Workshop
Cinematic Mixed Reality Rendering
 Dr Andrew Chalmers, Researcher
 Victoria University of Wellington
- **27-29 November 2019: The International Telecommunication Networks and Applications Conference ITNAC.** This annual event is held every year either in Australia or New Zealand (www.itnac.org.au) and it is New Zealand's turn to host the event this year. ITNAC 2019 seeks to address and capture highly innovative and state-of-the-art research from academia, the communications industry and standardization bodies that covers distributed, mobile, cognitive and cloud computing, modelling and simulation, computer and data communications, local and metropolitan networks, optical, wired and wireless telecommunication networks and applications.

IEEE
IEEE : Region 10 : Region 10 NZD
Profit and Loss
From Jan 2019 to Nov 2019

Financial Row	Amount
Sales	
1.10 - Received from Individuals	\$16.50
2.60 - Educational Activities	-\$142.52
2.70 - Professional Activities	-\$290.00
2.80 - Student Activities	-\$695.54
3.10 - Rebate from IEEE HQ	\$6,126.69
3.45 - Non-IEEE CB Account Interest	\$7.06
3.50 - IEEE Dividends	\$1,451.71
3.90 - Reserve Allocation Income	\$1,937.89
Total - Sales	\$8,411.79
Gross Profit	\$8,411.79
Overheads	
4.10 - Meetings & Social Events Expense	\$561.99
4.50 - Conference Expenses	\$3,521.36
4.60 - Educational Activities Expense	\$229.79
4.70 - Professional Activities Expense	\$509.00
4.85 - Grants and Awards Expense	\$545.64
5.60 - Other Management & General Expenses	\$73.64
6.20 - Other Expenses	\$19.90
Total - Overheads	\$5,461.32
Operating Profit	\$2,950.47
Net Profit/(Loss)	\$2,950.47

IEEE
IEEE : Region 10 : Region 10 NZD
Balance Sheet
End of From Jan 2019 to Nov 2019

Financial Row	Amount
Current Assets	
Bank	
70306 - Westpac Bank NEW ZEALAND CENTRAL	\$15,098.59
Total Bank	\$15,098.59
Total Current Assets	\$15,098.59
Current Assets Less Current Liabilities	\$15,098.59
Total Assets Less Current Liabilities	\$15,098.59
Total Assets Less Total Liabilities	\$15,098.59
Capital and Reserves	
Retained Earnings	\$12,148.12
Net Income	\$2,950.47
Total Capital and Reserves	\$15,098.59

Financial Row	Type	Date	Document Number	Name	Cir	Split	Amount
	Deposit	1/7/2019	73796		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$1,451.71
Total - 3.50 - IEEE Dividends							\$1,451.71
3.90 - Reserve Allocation Income							
	Journal	6/24/2019	287138		F	74246 - Reserve Allocation Payable	\$1,937.89
Total - 3.90 - Reserve Allocation Income							\$1,937.89
Total - Sales							\$8,411.79
Gross Profit							\$8,411.79
Overheads							
4.10 - Meetings & Social Events Expense							
	Cheque	1/9/2019		Murray Milner	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$561.99
Total - 4.10 - Meetings & Social Events Expense							\$561.99
4.50 - Conference Expenses							
	Cheque	3/21/2019	online transaction	Kanwal Zaidi	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$1,621.36
	Cheque	7/12/2019	405	Raghu Deshagani	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$400.00
	Cheque	7/12/2019	404	Raghu Deshagani	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$75.00
	Cheque	7/12/2019	403	Anwarul Sifat	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$75.00
	Cheque	7/12/2019	401	Abhipray Paturkar	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$750.00
	Cheque	7/12/2019	402	Soheil Mohseni	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$600.00
Total - 4.50 - Conference Expenses							\$3,521.36
4.60 - Educational Activities Expense							
	Cheque	1/9/2019		Massey University Palmerston North	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$229.79
Total - 4.60 - Educational Activities Expense							\$229.79
4.70 - Professional Activities Expense							
	Cheque	4/9/2019	395	Victoria University of Wellington	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$209.00
	Cheque	7/23/2019	406	IET Wellington	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$300.00
Total - 4.70 - Professional Activities Expense							\$509.00
4.85 - Grants and Awards Expense							
	Cheque	2/15/2019	376	Samaneh Azari	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$100.00
	Cheque	3/21/2019	388	Samaneh Azari	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$38.41
	Cheque	3/21/2019	online transaction	Anwarul Sifat	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$41.05
	Cheque	3/21/2019	384	Abhi Chatterjee	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$41.13
	Cheque	3/21/2019	385	Boxiong Tan	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$36.78
	Cheque	3/21/2019	387	Mazhar Ansari	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$41.31
	Cheque	3/21/2019	386	Fangfang Zhang	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$40.92
	Cheque	4/1/2019	390	Abubakar Siddique	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$41.24

IEEE
IEEE : Region 10 : Region 10 NZD
Profit and Loss Detail
From Jan 2019 to Nov 2019

Financial Row	Type	Date	Document Number	Name	C lr	Split	Amount
Sales							
1.10 - Received from Individuals	Dep osit	8/12/2019	79773		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$16.50
Total - 1.10 - Received from Individuals							\$16.50
2.60 - Educational Activities	Che que	9/16/2019	410	Chen Wang	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	-\$142.52
Total - 2.60 - Educational Activities							-\$142.52
2.70 - Professional Activities	Che que	9/16/2019	409	Murray Milner	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	-\$290.00
Total - 2.70 - Professional Activities							-\$290.00
2.80 - Student Activities	Che que	9/16/2019	412	Massey University Palmerston North	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	-\$320.94
	Che que	9/16/2019	414	Yi Mei	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	-\$73.79
	Che que	9/16/2019	411	Donald Bailey	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	-\$200.00
	Che que	9/16/2019	413	Tao Shi	F	70306 - Westpac Bank NEW ZEALAND CENTRAL	-\$100.81
Total - 2.80 - Student Activities							-\$695.54
3.10 - Rebate from IEEE HQ	Dep osit	5/29/2019	79416		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$6,126.69
Total - 3.10 - Rebate from IEEE HQ							\$6,126.69
3.45 - Non-IEEE CB Account Interest	Dep osit	1/31/2019	78800		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.84
	Dep osit	2/28/2019	78801		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.76
	Dep osit	3/29/2019	78989		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.75
	Dep osit	4/30/2019	79324		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.74
	Dep osit	5/31/2019	79417		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.74
	Dep osit	6/28/2019	79474		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.95
	Dep osit	7/31/2019	79772		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$1.05
	Dep osit	8/30/2019	79774		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.78
	Dep osit	9/30/2019	80119		F	70306 - Westpac Bank NEW ZEALAND CENTRAL	\$0.45
Total - 3.45 - Non-IEEE CB Account Interest							\$7.06
3.50 - IEEE Dividends							