



Annual Report

2019 - 2020



ACPSEM

Australasian College of Physical
Scientists & Engineers in Medicine

OUR MISSION

The ACPSEM Mission is to advance services and professional standards in clinically-related physical science and engineering professions for the benefit and protection of patients, staff and the community.

OUR VALUES

1. A commitment to quality and safety in the practice of clinical science and engineering, centred on the best interests of patients
2. A determination to support workplace innovation and safe and evidence-based translation of research into clinical practice
3. The personalisation of learning and all collegiate experiences for all members
4. Transparency and accountability in all activities

OUR STRATEGIC PILLARS

1. Sustainability
2. Members
3. Education
4. The Profession
5. Communication

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President Report



Richard Dove
ACPSEM President

“It is a pleasure to present the ACPSEM President’s report for the 2019/20 financial year.”

This has, of course, been a year with unique challenges, and I wish firstly to acknowledge the dedication of our CEO Sharon Flynn and her team at ACPSEM in supporting our professions through the challenges of COVID-19. As you will read below the ACPSEM has risen to the challenges and continues to advance.

Governance

In the second half of 2019 the final structural changes to College governance groups were introduced. This has meant new membership structures for the Professional Standards Board (PSB) and the Certification Panels. The key principles underpinning these changes were ensuring independence between the bodies, and ensuring wide representation of Members. I am pleased to report that these changes have been successful and the new structures have operated through 2020 as intended providing robust oversight and review of the educational aspects of ACPSEM activities.

In February 2020 the ACPSEM Board of Directors and the PSB both met in Sydney, NSW, for the first time. This facilitated better understanding between the groups, helped ensure consistency of direction and set up better communication for the (at that

time unknown) challenges that lay ahead. When conditions permit it is something worthy of repeating.

Also in February 2020 the ACPSEM Board welcomed an independent director to the Board for the first time. Rosemary Peavey brings an extensive governance background from the private sector to broaden our perspective in planning and decision making.

COVID-19

Like all organisations the ACPSEM has had to deal with the disruptions that COVID-19 has brought to the world since the end of February 2020. ACPSEM remains in a strong and stable financial position. Membership renewal rates in 2020 were in line with past years, and I am delighted that Members have prioritised ACPSEM membership when faced with a barrage of demands in March and April 2020.

A few College events and programs have been delayed but most events have been re-formatted for online delivery. Branches have been particularly active in providing online content and Special Interest Groups have run several very popular online events.

Educationally, the College worked innovatively to ensure TEAP assessments - even practical exams - were able to be go ahead without breaking travel restrictions.

A trained local representative was used to provide a live, and mobile, video link to remote examiners allowing our final year trainees to complete their practical assessment, while still maintaining the integrity of the assessment program. This then allowed them to gain registration and move into qualified physicist roles.

Financial

ACPSEM continues to maintain a strong financial position.

The accompanying audited financial statements show a surplus for the 2019/20 financial year of \$219,315. This is marginally lower than the previous year.

The College has assets totalling \$8.1M but also liabilities totalling \$5.4M. The liabilities are largely contractual commitments to pay follow on years of registrar grants, and sufficient funds are held in low risk investments to cover these liabilities.

ACPSEM continues to receive Australian federal government support to assist with the running of TEAP activities, and to provide grants to support the employment of TEAP registrars. Future activities of the College are vulnerable to any reduction in this funding. Through many years the College has worked to build a buffer to delay the impact of any government funding reduction.

Significant Events

EPSM 2019 in Perth, WA, was held jointly with the Asia-Oceania

Congress on Medical Physics (AOCMP) which is the annual conference of the Asia-Oceania Federation of Organizations for Medical Physics (AFOMP). The combined meeting was attended by 356 participants with a significantly more international flavour than a regular EPSM. I extend my thanks to the WA organising committee, led by Tegan Rourke, who accepted and embraced the late addition of AOCMP to their plans.

The Particle Therapy Working Group was formally launched in April 2020, a sign of exciting developments ahead for the region. A training fellowship was launched alongside this. The College will provide funding for one recipient per year to undertake a training fellowship at an international centre to learn about ion beam therapy physics. Each year the recipient is expected to use this knowledge to contribute to the safe implementation of ion beam therapy in Australia. The inaugural recipient is Matthew Jennings, SA/NT Branch Chair.

The MR Linac Working Group was also launched to support the anticipated uptake of MRI-Linacs. A related activity has been the launch of a new training program leading the certification as a MR Safety Expert (MRSE). This program will be open to both diagnostic imaging and radiation oncology specialists.

Through much of the 2019/20 year incremental changes have been taking place to TEAP management and support to ensure the program can be completed in a three year

timeframe, following completion of an accredited MSc. These changes have been necessary to meet external standards which are a prerequisite for recognising ACPSEM registration more widely, for meeting contractual requirements with government, and to provide certainty to registrars. Changes have encompassed modified assessment, training for supervisors, streamlining of content delivery and transparency of duration policies.

Consultation about whether ACPSEM should pursue national registration of medical physicists and/or radiopharmaceutical scientists (through AHPRA in Australia and HPCAA in New Zealand) has been ongoing. This decision has profound implications to the professions so a multi-stage consultation has been necessary. The first stage was completed during the 2019/2020 year with a second round of consultation to be held in the second half of 2020 leading to a Board decision.

Conclusion

The ACPSEM continues to advocate for those working in the physical sciences in medicine to provide high quality educational and networking opportunities.

My time as President of ACPSEM will come to an end in January 2021. I have been supported by my fellow directors who freely give their time and energy to advance the College goals. Looking into the future the College is in good hands.

CEO Report



Sharon Flynn
ACPSEM CEO

“What an amazing year 2020 has been. Thankfully, it’s been one where, to use a useful cliché, the ACPSEM has thrived rather than just survived.”

The President’s report addresses a lot of the reasons why thriving has been possible, and this CEO report offers some additional perspectives; all with the intent of celebrating the ACPSEM’s achievements as a professional body.

Generational change

First and foremost, the sense of vitality and energy evident in the activities of the college is thanks to the decisions made by many early and mid-career members to nominate for committees and Boards, Branch and Specialty Group executives; following the redesign of our structures to make this possible.

All groups now include a representative mix of early, mid, and later career members and thankfully competition for the roles remains high. Congratulations to Bess Sutherland and Kurt Byrnes for completing their terms as the first early career and registrar members (respectively) of the PSB.

Specialty and Special Interest Groups

The latest groups to register enhanced activity and renewed focus on the needs of their professional groups are the reconstituted Nuclear Medicine group and the new Medical Imaging Registration Special Interest Group (MIRSIG). Executive Committees for these groups are led by Nick Forwood and Johnson Yuen (respectively) and they have gone above and beyond to get new

things happening.

As we speak the Radiation Protection, and University groups are also completing renewal and planning activities, under the leadership of Cameron Jeffries and Annette Howarth (respectively).

Meanwhile, the Radiology and Radiation Oncology Specialty Groups continue an established ambitious program of activity. Thanks to Amanda Perdomo for her leadership of the Radiology group (since 2017). For the ROSG a change of leadership occurred in late 2019 seeing Mario Perez “retire” as Chair, after many years, and hand the reins to Matthew Sobolewski.

New certifications are key to the future

Perhaps the most exciting development this year has been the creation of an MR Safety Expert Certification (MRSE) and the accompanying formation of a multidisciplinary Assessment Panel inclusive of Australian and NZ experts. We are much obliged to Donald McRobbie for his ground-breaking development proposal and subsequent course coordination and chairing of the Assessment Panel (MRSAP).

While itself an important contribution to meeting the growing need for MR expertise in Australia and NZ, this certification has also provided the implementation blueprint for others to come. RANZCR and ASMIRT have already been updated about the ACPSEM’s

intentions to develop MR Safety certification offerings in Australia and NZ for other than physicists. Accompanying Board approval of MR safety and particle therapy certifications has also been robust policy development to support these new directions.

New certification options for physicists and others are a key component of the ACPSEM's strategy in response to the release of the ARPANSA "Code for Radiation Protection in Medical Exposure (2019) (RPS C-5)". Coverage of this project will be noticeable in newsletters and calls for input into discussions in late 2020 and throughout 2021.

Mentoring and Leadership Programs

It has been a challenge to maintain the momentum on these popular programs in 2020 and it has therefore been a relief to see the launch of the new mentoring program and platform. Work on a new approach to Leadership and Management professional development, replacing the traditional two-day F2F workshop, continues.

Social media

The past year has seen steady growth in members and many others following/liking/sharing news from our social sites: Facebook, LinkedIn and Twitter (See year at a glance). Facebook has been the prime vehicle for social networking for several years now but in 2020 LinkedIn

has grown significantly and even Twitter is on the rise. Particular thanks to our small but faithful group of "sharers" who have been instrumental in spreading ACPSEM messages and posts:

Our top 4 sharers on Facebook are UWA Medical Physics Group, Centre for Medical Radiation Physics, ACPSEM QLD, and Gamma Gurus.

Our top re-tweeters (RT) and "likers" on Twitter are Sean Geoghegan, Joel Poder, Eva Bezak, Julie McCrossin, JMIRO Journal, Max Hanlon and Donald McRobbie.

While all opportunities and important information is emailed to members, the quickest way to get news in real time and be reminded of opportunities and deadlines is Facebook. When I first came into the role in 2017, I was advised that Medical Physicists generally don't use social media. Trends in the last few years indicate differently. You may not be a user of Facebook in a personal way but think about getting a family member or friend to set you up with the strictest possible privacy settings so that you can be party to much more news and ideas from the Australian and NZ medical physicist community and beyond. Driven by the pandemic and paralleling our experience, many Asian societies and groups are running webinars and seminars which we are invited to promote. You need to be on Facebook to get these in a timely way because notice is often short.

Special thanks

A special note of thanks goes to Anne Perkins for her many years of dedicated and enviably productive years of service to the ACPSEM's various committees and as a TEAP coordinator (on staff). Anne has scaled back her commitments in 2020 after many years of volunteering and leading key ACPSEM projects and working as an assessor and examiner. Also, and auspiciously the previous (two) Past Presidents of the ACPSEM, Sean Geoghegan (2014 to 2016) and Ian Smith (2016 to 2018) finished long tenures as ACPSEM Directors on 31st December 2019. The commitment all directors make as members of the ACPSEM Board is significant but, in this case, these two members led the college through unprecedented constitutional reform and program growth.

This year also sees Scott Crowe standing down from the PSB after 4 years as the Chair (5 years in total) and his pivotal role, alongside staff in the Refreshing Professional Standards Project and parallel governance reform.

Our current President Richard Dove will also hand over the reins in early 2021, after 3 years in the role. Richard has continued to lead governance and professional standards reform and ensure the ACPSEM has placed priority on the needs of early and mid-career programs and opportunities.

The President has already thanked the staff of the ACPSEM and I add my thanks to the whole team, who are distributed across Australia.

ACPSEM Strategy

The ACPSEM Mission is to advance services and professional standards in clinically-related physical science and engineering professions for the benefit and protection of patients, staff and the community. Below are the 2019-2020 ACPSEM Strategic Pillars and Workplan.

Our Values

1. A commitment to quality and safety in the practice of clinical science and engineering, centred on the best interests of **patients**.
2. A determination to support **workplace innovation** and safe and evidence-based translation of research into clinical practice.
3. The **personalisation** of learning and all collegiate experiences for **all members**.
4. **Transparency and accountability** in all activities.

Our Strategic Pillars

1. Sustainability
2. Members
3. Education
4. The Profession
5. Communication

1. Sustainability

- Retaining Training Education Assessment Program (TEAP) Support Funding and Grant Funding and identifying new revenue streams
- Duration of TEAP Project (TEAP support – assisting completion within 3 years)
- “Refreshing Professional Standards” Governance reform (Project now Complete)
- Developing a College Position on national mandatory registration for medical physicists and radiopharmaceutical scientists
- Developing an alternate certification and/or registration pathway for other physicists
- Being the “Trusted Voice” and advocate (as viewed by members and external stakeholders)

2. Membership

- Providing quality member services with focus on early and mid-career members’ career programs and opportunities
- Extending membership offerings to other groups

3. Education

- Mid-career training and the launch of the ACPSEM Leadership and Mentoring Program
- Providing Specialised seminars, training opportunities and CPD events for members, the profession and associated professions.
- Regionalisation of Training and Dynamic/Agile Curriculum review of TEAP
- Meeting the challenges of emerging technologies with new certification programs where appropriate

4. The Profession

- Revitalising specialties groups via a new Focus and Engagement Strategy
- Positioning of the ACPSEM (incorporating position paper development and update, development and facilitating scope of practice discussions)
- Develop Workforce planning and development tools
- Position paper and guideline

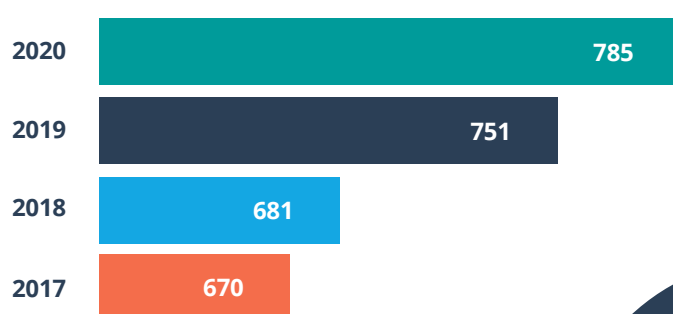
5. Communication

- Developing and implement Members Engagement Strategy
- Providing timely members’ updates via collaboration with Branch Executive Committees, Specialty Groups, Special Interest Groups and Working Groups
- International collaboration including the organisation of Asian- Oceanic Congress on Medical Physics 2019
- Contributing to legislative/ regulatory reforms, enquiries or consultations from government agencies, associated professional organisations and other stakeholders

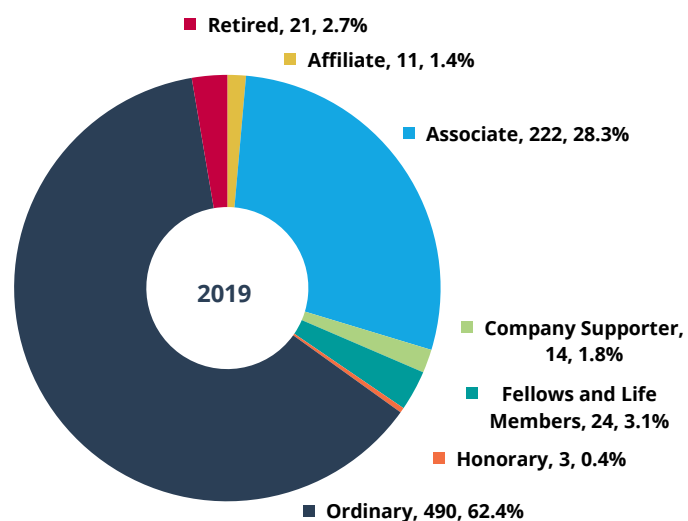
Year at a Glance

The 2019-2020 financial year showed positive signs of growth and production throughout the College, as well as innovation brought about by the challenges of COVID-19.

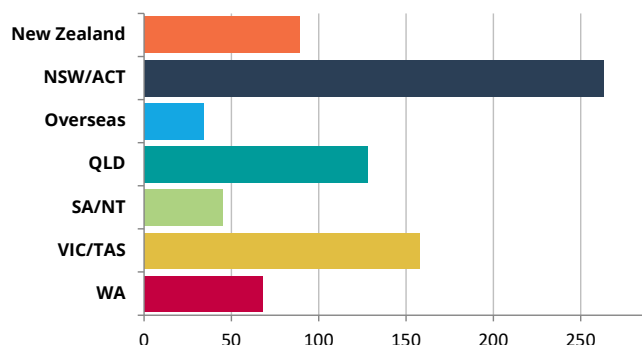
Total number of Members



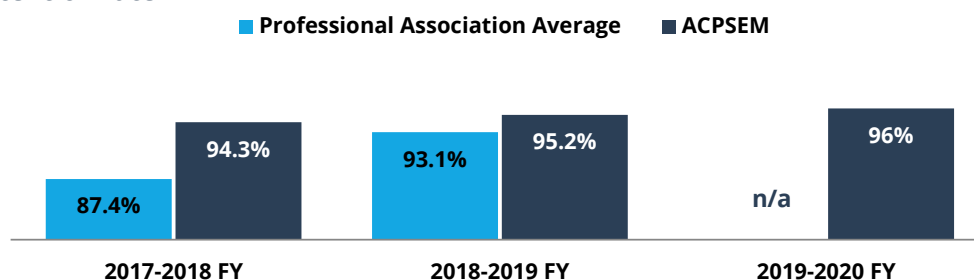
Membership breakdown



Members by region



Member retention rate



Policies and papers



Number of new ACPSEM policies and procedures

16



Number of submissions, position papers and statements

10

Submissions/formal responses to regulators, industry partners and professional associations

Changes due to COVID-19



362

ACPSEM webinars attendees

To provide Members with CPD opportunities during COVID-19, the ACPSEM Specialty Groups, Special Interest Groups and Branch Executive Committees have organised 3 webinars since May 2020. There was an average of 2 webinars offered per month from July 2020, attracting over 100 delegates per webinar



Social Media

ACPSEM digital channels

1,200 Facebook followers

1,823 Twitter followers

312 LinkedIn followers

ACPSEM digital reach

77,250 Facebook impressions

92,481 Twitter impressions

21,423 LinkedIn impressions

Total impressions: 191,154

ACPSEM digital engagements

7,633 Facebook engagements

1,115 Twitter engagements

1,296 LinkedIn engagements

Total engagements: 10,044

Member vounteer positions



250 ACPSEM Members volunteer for **470** volunteer positions within the College

TEAP enrolments



Branch Highlights

The ACPSEM Branches have been holding numerous meetings and events, both in person and virtually throughout the last financial year. The COVID-19 pandemic has changed branch activities, but the Branch Executive Committees have ensured a continuation of information sharing and learning between Members is still taking place.



NZPEM 2020, hosted by the NZ Branch

New Zealand

At the end of 2019, the New Zealand Branch held their Annual General Meeting to discuss Branch activities and plans.

In March 2020, just ahead of COVID-19 lockdown restrictions in New Zealand, the Branch hosted the successful NZPEM conference with presenters covering a range of topics and attracting attendees from across New Zealand and Australia.

NZPEM concluded with the Branch Special Meeting and a social afternoon and dinner at the Hobbiton movie set.

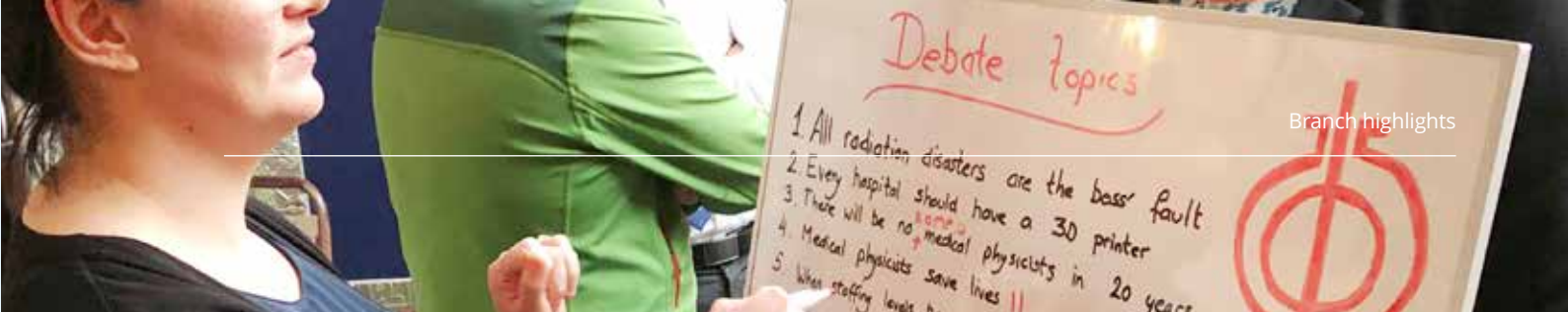
In mid-March 2020, the NZ Branch ran a 2-day workshop on TEAP NZ Risk and Uncertainty.

New South Wales and the Australian Capital Territory

The NSW/ACT Branch has had a busy year of meeting and events, and the Branch Executive Committee has been focused on continuing to provide CPD opportunities for Members during the COVID-19 pandemic.

This has led to the formation of a move to online monthly scientific meetings, which will continue to be offered until the end of 2020, with a possible extension of virtual meetings into future years due to a pleasing participant turn out.

The Branch is proud to be able to reach a significant portion of Branch Members through these meetings, and are grateful for continuing Member contributions.



Victoria and Tasmania

The VIC/TAS Branch has continued to enforce short committee meetings, with the format changing to online in recent months.

The Branch RMIT Student Presentation and Prize Night grows in interest and quality each year thanks to RMIT, our Branch Members and support from Elekta. Both first and second 2019 prize winners will speak at EPSM 2020.

Each year begins with a welcome event in Melbourne providing a great opportunity to put

faces to names. This year's event also launched a sock design charity appeal, the winning design will be announced at EPSM 2020.

Each year ends with an Annual Branch Meeting, dinner and social evening, although plans may change this year due to COVID-19.

In 2020 we conducted our first survey of our Members on branch news, events and activities, and gained actionable insights into what are Members want from us.

South Australia and the Northern Territory

Throughout November 2019 the SA/NT Branch was busy holding holding Branch dinners and catering lectures by AAPM President Dr Cynthia McCollough (on *"CT technology, clinical applications, and dose in the 21st century"*) and IOMP Vice/President Prof John Damilakis (on *"CT Dosimetry: current situation, potential pitfalls and future prospects"*).

The SA/NT Branch has also hosted a lecture by IOMP President Dr Madan Rehani (on *"Making a difference in large parts of the world on patient and staff radiation safety"*).

In December 2019 the Branch held their Annual Meeting, but other planned workshops and social activities throughout 2020 have been postponed due to restrictions brought about by COVID-19.

Queensland

Adapting to the challenges brought about by COVID-19, Queensland Branch Members have been heavily involved in the planning of a virtual EPSM 2020 and the 2020 Summer School.

Events such as the regular PRIMPS (Progress and Research In Medical Physics Series) have been successfully transitioned into an online format.

An end of year social get-together is being planned for the Branch Members in conjunction with the Annual Branch Meeting.

Western Australia

The Western Australian branch have had to postpone their Branch Scientific Meeting and some social events and meetings due to the restraints of COVID-19, but these have been rescheduled for late winter and spring 2020.

PRIMPs at the 10 year dinner hosted by the QLD Branch





Board of Directors



Richard Dove

President

Richards is the Manager of Medical Physics & Bioengineering at Christchurch Hospital, NZ, and has been on the ACPSEM Board since 2009, and President for the last two years. He believes the scientific skills we bring to healthcare are incredibly valuable, so he contributes to the Board to voice these beliefs and to enhance our roles.



Kym Rykers

Vice President

Kym is the Medical Physicist Manager at Austin Health, VIC, which provides external beam radiotherapy to patients. She hopes to consolidate the role of medical physicists and engineers in patient care by enhancing the visibility and value of the ACPSEM when representing Members to government groups and health service providers.



Michael Bernardo

Treasurer

Michael is a Certified Medical Physics Specialist (Diagnostic Radiology) with Biomedical Technology Services, and Branch Chair of the ACPSEM QLD Branch Committee. Joining the ACPSEM Board of Directors allows Michael to contribute to the College's strategic direction, and he looks forward to continuing to support our community.

**Kevin Hickson***Head of Specialties*

Kevin is currently the Head of Medical Physics and Radiation Safety for South Australia Medical Imaging. He joined the ACPSEM Board of Directors in 2018 and he has been the ACPSEM Head of Specialties since the start of the year. Previously Kevin contributed to the ACPSEM Board in the role of Treasurer.

**Lucy Cartwright**

Lucy is a certified Radiology Medical Physicist, and she has been involved with ACPSEM on various projects and a Board Member since 2019. She is keen to raise awareness of our profession, improve patient care for services which do not yet have access to imaging physicists, and to create opportunities for the future generations.

**Martin Ebert**

Martin is a Research Physicist and enjoys planning grand projects, seeing students achieve, and sharing his full home with his wife, daughters and numerous pets. As an ACPSEM Board Member Martin hopes to help prepare our profession for a future healthcare system driven by technologies which we are only starting to get a glimpse of.

**Nataalka Suchowerska**

Nataalka holds a tenured position leading medical physics research at Chris OBrien Lifehouse. Her research broadly aims to apply novel technologies and fundamental science to improve the treatment and outcomes for cancer patients. She has been an ACPSEM Member since 1985 having served on several committees and panels.

**Ivan Williams**

Ivan is the Head of the Medical Radiation Service Branch and Chief Medical Radiation Scientist within ARPANSA. At the start of 2020 he was looking forward to joining the ACPSEM Board of Directors, and from the offset of starting his appointment he was fielding calls from ACPSEM Members regarding the College's direction.

**Rosemary Peavey**

Rosemary is a legal and governance professional working with Aurecon as a Senior Lawyer and Company Secretary. She was attracted to the board because of ACPSEM's focus on helping science professionals improve patient outcomes, and she brings with her core skills in the areas of governance and risk management.



Professional Standards Board

The Professional Board (PSB) is delegated by the ACPSEM Board the role of being accountable and responsible for the setting, applying and maintaining policy concerned with professional standards, as they apply to the education training and assessment programs, CPD programs and the work of the Specialty Groups and Branches of the ACPSEM.

The PSB also oversees the work undertaken by the Certification Panels, the Accreditation Committee and the CPD Committee.

2019-2020 PSB Members

- Christine Thompson (Chair)
- Madhava Bhat
- Kurt Byrnes
- Stephanie Corde
- Scott Crowe
- Paul Keall
- Rochelle McCredie
- Nikki Shelton
- Bess Sutherland

Branch Chairs

**Joel Poder***NSW/ACT Branch Chair*

Joel is Branch Chair of the NSW/ACT Branch Committee, and an ACPSEM certified Radiation Oncology Medical Physicist

working at St George Cancer Care Centre in Sydney, NSW. He has been working in the field now for over 10 years.

**Matthew Paris***NZ Branch Chair*

Matthew is a certified Radiation Oncology Medical Physicist and has spent 18 years as the Chief Physicist at Dunedin Hospital,

NZ. He has also been Lead Medical Physicist in the New Zealand Stereotactic Facility for the past 26 years. He has a particular research interest in image guided radiotherapy.

**Michael Bernardo***QLD Branch Chair*

Michael is a Certified Medical Physics Specialist (Diagnostic Radiology) with Biomedical Technology Services and a

member of the ACPSEM Board. He looks forward to contributing to the College's strategic direction and continuing to support our community.

**Matthew Jennings***SA/NT Branch Chair*

Matthew is a Radiation Oncology Medical Physicist at Royal Adelaide Hospital, SA. In his role as Branch Chair Matthew hopes to

increase collaboration between Adelaide's institutions that come under the ACPSEM banner, and to provide tailored software development education to ACPSEM Branch Members.

**Clement Conheady***VIC/TAS Branch Chair*

Clement is a Radiation Oncology Medical Physicist at the Alfred Hospital in Melbourne, VIC. His aims as Branch Chair

are to increase representation and input from non-Radiation Oncology Medical Physicists and ACPSEM Members from outside Melbourne.

**Tegan Rourke***WA Branch Chair*

Tegan is a Diagnostic Imaging Medical Physicist working at Sir Charles Gairdner Hospital in Perth, WA. She has been

an active member of the WA Branch Committee since 2016, and this is her first year as the WA Branch Chair. The WA Branch is comprised of approximately 30 Members.

EPSM & AOCMP 2019

The ACPSEM's flagship conference, EPSM (Engineering & Physical Sciences in Medicine), combined forces in 2019 with AOCMP (Asia-Oceania Congress on Medical Physics) to host this well-attended conference. The conference attracts attendees seeking to learn and share advances within the field and to take part in networking opportunities.



EPSM and AOCMP

EPSM and AOCMP are the premier annual conferences for medical physicists and biomedical engineers in the region.

2019's event took place on 28-30 October in Perth, Australia, with the theme "Elements and Interactions".

Delegates and their industries

The 2019 joint conference brought together medical physics and allied health professionals from across the Asia-Oceania region to share knowledge, expertise, scientific discussions, cultural exchange and medical technologies updates.

Attracting around 400 delegates from over 20 countries, attendees represented medical physics, biomedical engineering, radiology, radiotherapy, nuclear medicine, radiation protection, biophysics, radiobiology, radiopharmaceutical science and related fields.



Presenters and speakers

EPSM & AOCMP 2019 was supported by 16 invited keynote speakers from across the Asia-Oceanic region. Innovative topics were discussed throughout 22 highlighted presentations, further information on these is available on the ACPSEM website.



A well-rounded combined conference

Outside of the presentations, delegates had the opportunity to:

- liaise with 21 vendor sponsors and exhibitors
- review 85 posters and 295 oral presentations
- go to nine workshops
- attend 12 professional meetings
- socialise at four social events, including a welcome reception, a riverside walk/jog, the APSIG trivia night, and a gala dinner.

The conference also raises funds through these social events for the Better Healthcare Technology Foundation.

The conference's chosen charity was the Beer Healthcare Technology Foundation which, in combination with the ACPSEM's Asia-Pacific Special Interest Group (APSIG), has sponsored volunteer medical physicist visits across the Asia-Pacific region with the aim of training and supporting local physicists and allied health professionals to deliver radiotherapy services in those countries.

The organising committee of EPSM & AOCMP 2019 would like to express thanks to all committees, contributors and supporting organisations, industry partner, universities, invited speakers, and international and local delegates who all made the conference a great success.

Director's Report

The directors present their report on Australasian College of Physical Scientists and Engineers in Medicine for the financial year ended 30 June 2020.

1. General information

Information on Directors

The names of each person who have been a director during the year and to the date of this report are:

Ian Smith

- Currently employed as Senior Advisor Physical Sciences and Clinical Outcomes Analysis at St Andrew's War Memorial Hospital and has held the position since 2014. Company Director from January 1, 2014 to 31 December 2019.

Sean Geoghegan

- Currently employed as State Director Radiation Oncology Medical Physics at SA Health. Company Director from January 1, 2006 to December 31, 2007 and again from February 29, 2008 to 31 December 2019.

Richard Dove

- Currently employed as Clinical Manager, Department of Medical Physics & Bioengineering at Canterbury District Health Board where he has held the position since July 2009. Company Director since January 1, 2009.

Kevin Hickson

- Currently employed as Head of Medical Physics and Radiation Safety South Australia Medical Imaging (SAMI), SA Health. Company Director since January 1, 2018.

Kym Rykers

- Currently employed as Medical Physics Manager at Olivia Newton John Cancer & Wellness Centre, Austin Health. Company Director since January 1, 2019.

Martin Ebert

- Currently employed as Director of Physics Research, Department of Radiation Oncology, Sir Charles Gairdner Hospital. Company Director since January 1, 2019.

Lucy Cartwright

- Currently employed as Medical Physics Specialist, Department of Radiology, Westmead Hospital. Company Director since January 1, 2019.

Natalka Suchowerska

- Currently employed as Head of Research and Education (Medical Physics), Department of Radiation Oncology, Chris O'Brien Lifehouse. Company Director since January 1, 2019.

Ivan Williams

- Currently employed as Branch Head: Medical Radiation Branch, Chief Medical Radiation Scientist at ARPANSA. Company Director since January 1, 2020

Michael Bernardo

- Currently employed as Medical Physicist-Advanced Diagnostic Radiology at Biomedical Technology Services. Company Director since January 1, 2020

Rosemary Peavey

- Experienced legal and governance professional within commercial and professional services environments. She recently left Aurecon Group Pty Ltd after 12 years as the Group Company Secretary and Snr Corporate Counsel. Company Director since February 6, 2020

Directors have been in office since the start of the financial year to the date of this report unless otherwise stated.

Principal activities

The principal activity of Australasian College of Physical Scientists and Engineers in Medicine during the financial year was to promote and further the development of physical sciences, radiopharmaceutical sciences and engineering as applied to medicine.

No significant changes in the nature of the Company's activity occurred during the financial year.

Members' guarantee

Australasian College of Physical Scientists and Engineers in Medicine is a Company limited by guarantee. In the event of, and for the purpose of winding up of the Company, the amount capable of being called up from each member and any person, corporation or association who ceased to be a member in the year prior to the winding up, is limited to \$ 50, subject to the provisions of the Company's constitution.

At 30 June 2020 the collective liability of members was \$37,650 (2019: \$37,500).

2. Other items

Matters of circumstances after the end of the year

The impact of the Coronavirus (COVID 19) pandemic is ongoing and has not caused significant detriment for the Company up to 30 June 2020, it is not practical to estimate the potential impact, positive or negative, after the reporting date. The situation is rapidly developing and is dependent on measures imposed by the Australian Government and other countries, such as maintaining social distancing requirements, quarantine, travel restrictions and any economic stimulus that may be provided.

Except for the above, no other matters or circumstances have arisen since the end of the financial year which significantly affected or could significantly affect the operations of the Company, the results of those operations or the state of affairs of the Company in future financial years.

Future developments and results

The organisation plans to maintain all current services and expand operations to include conduct of the Medical Physicist Trainee (including Radio Pharmaceutical Science) Support Grant process, with funds provided by the Commonwealth Department of Health. The organisation is undertaking strategic projects to improve sustainability utilising retained surpluses from previous years.

Meetings of directors

During the financial year, 7 meetings of directors (including committees of directors) were held. Attendances by each director during the year were as follows:

	Director's meetings	
	Number eligible to attend	Number attended
Ian Smith	3	3
Sean Geoghegan	3	3
Richard Dove	7	7
Kevin Hickson	7	7
Kym Rykers	7	6
Martin Ebert	7	7
Lucy Cartwright	7	7
Natalka Suchowerska	7	7
Ivan Williams	4	4
Michael Bernardo	4	4
Rosemary Peavey	3	3

Financial Report

2019-2020

Statement of Profit or Loss and Other Comprehensive Income

For the Year Ended 30 June 2020

	2020 (\$)	2019 (\$)
Revenue	2,269,526	2,311,593
DOH underspent prior year (AASB 15)	120,064	77,826
MPT support 2018-2020(G2) (AASB 15)	1,822,489	3,130,000
Finance income	113,626	155,386
Other income	184,972	142,915
Employee benefits expense	(1,050,133)	(1,140,900)
Depreciation and amortisation expense	(73,908)	(30,590)
G2 project expenses	(1,930,631)	(3,330,000)
G1 project expenses	(60,000)	-
DOH underspent prior year	(120,064)	(77,826)
Finance expenses	(4,271)	(55)
Other expenses	(1,052,355)	(1,010,808)
Surplus before income tax	219,315	227,541
Income tax expense	-	-
Surplus for the year	219,315	227,541
Other comprehensive income, net of income tax	-	-
Items that will be reclassified to profit or loss when specific conditions are met	-	-
Total comprehensive income for the year	-	-
	219,315	227,541

The Company has initially applied AASB 15 and AASB 1058 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 111, AASB 118, AASB 1004 and related interpretations.

The Company has initially applied AASB 16 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 117 and related interpretations.

Notes:

- G1 Project and G2 Project refer to the Grant Agreement Supporting Medical Physicists between the Commonwealth Department of Health and the ACPSEM which includes two activities:
- Activity One (G1 Project): Supporting the training education and assessment of medical physicists including radiopharmaceutical scientists

Statement of Financial Position

As at 30 June 2020

ASSETS	2020 (\$)	2019 (\$)
CURRENT ASSETS		
Cash and cash equivalents	4,925,700	3,153,317
Trade and other receivables	149,777	190,210
Other financial assets	2,051,707	1,989,052
Other assets	69,888	65,699
TOTAL CURRENT ASSETS	7,197,072	5,398,278
NON-CURRENT ASSETS		
Other financial assets	348,178	2,399,885
Property, plant and equipment	437,342	458,696
Right-of-use assets	136,640	-
TOTAL NON-CURRENT ASSETS	922,160	2,858,581
TOTAL ASSETS	8,119,232	8,256,859
LIABILITIES		
CURRENT LIABILITIES		
Trade and other payables	315,557	632,470
Contract liabilities	4,960,302	5,230,516
Lease liabilities	47,637	-
Employee benefits	88,896	65,492
TOTAL CURRENT LIABILITIES	5,412,392	5,928,478
NON-CURRENT LIABILITIES		
Lease liabilities	60,242	-
Long-term provisions	43,698	-
TOTAL NON-CURRENT LIABILITIES	103,940	-
TOTAL LIABILITIES	5,516,332	5,928,478
NET ASSETS	2,602,900	2,328,381
EQUITY		
Reserves	292,951	237,747
Retained earnings	2,309,949	2,090,634
	2,602,900	2,328,381
TOTAL EQUITY	2,602,900	2,328,381

The Company has initially applied AASB 15 and AASB 1058 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 111, AASB 118, AASB 1004 and related interpretations.

The Company has initially applied AASB 16 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 117 and related interpretations.

Statement of Changes in Equity

For the Year Ended 30 June 2020

2020	Retained Earnings (\$)	Asset Re-valuation Surplus (\$)	General Reserve (\$)	Total (\$)
Balance at 1 July 2019	2,090,634	213,008	24,739	2,328,381
Surplus for the year	219,315	-	-	219,315
Transactions with owners in their capacity as owners				
Branch Reserves NSW/ACT	-	-	24,314	24,314
Branch Reserves QLD	-	-	16,341	16,341
Branch Reserves VIC/TAS	-	-	8,863	8,863
Branch Reserves WA	-	-	1,564	1,564
Branch Reserves SA/NT	-	-	1,719	1,719
Branch Reserves NZ	-	-	2,403	2,403
Total other comprehensive income for the period	-	-	-	-
Balance at 30 June 2020	2,309,949	213,008	79,943	2,602,900

2019	Retained Earnings (\$)	Asset Re-valuation Surplus (\$)	General Reserve (\$)	Total (\$)
Balance at 1 July 2018	2,077,983	213,008	-	2,290,991
Surplus for the year	227,541	-	-	227,541
Transactions with owners in their capacity as owners				
Branch Reserves NSW/ACT	-	-	24,739	24,739
Prior year adjustment (1)	(197,890)	-	-	(197,890)
Prior year adjustment (2)	(17,000)	-	-	(17,000)
Total other comprehensive income for the period	-	-	-	-
Balance at 30 June 2019	2,090,634	213,008	24,739	2,328,381

The Company has initially applied AASB 15 and AASB 1058 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 111, AASB 118, AASB 1004 and related interpretations.

The Company has initially applied AASB 16 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 117 and related interpretations.

Independent Audit Report to the Members of Australasian College of Physical Scientists and Engineers in Medicine

	2020 (\$)	2019 (\$)
CASH FLOWS FROM OPERATING ACTIVITIES:		
Receipts from customers	4,167,270	4,848,575
Payments to suppliers and employees	(4,455,677)	(5,637,953)
Interest received	113,626	155,386
Interest paid	(4,271)	(55)
Net cash used in operating activities	(179,052)	(634,047)
CASH FLOWS FROM INVESTING ACTIVITIES:		
Proceeds/(Purchase) of other financial assets	1,989,052	(4,388,937)
Purchase of property, plant and equipment	-	(2,272)
Net cash provided by/(used in) investing activities	1,989,052	(4,391,209)
CASH FLOWS FROM FINANCING ACTIVITIES:		
Repayment of lease liabilities	(37,617)	-
Net cash used in financing activities	(37,617)	-
Net increase/(decrease) in cash and cash equivalents held	1,772,383	(5,025,256)
Cash and cash equivalents at beginning of year	3,153,317	8,178,573
Cash and cash equivalents at end of financial year	4,925,700	3,153,317

The Company has initially applied AASB 15 and AASB 1058 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 111, AASB 118, AASB 1004 and related interpretations.

The Company has initially applied AASB 16 using the cumulative effect method and has not restated comparatives. The comparatives have been prepared using AASB 117 and related interpretations.

Directors' Declaration

The directors of the entity declare that:

1. The financial statements and notes, as set out on pages 6 to 36, are in accordance with the Corporations Act 2001 and:
 - (a) comply with Australian Accounting Standards; and
 - (b) give a true and fair view of the financial position as at 30 June 2020 and of the performance for the year ended on that date of the entity.

2. In the directors' opinion, there are reasonable grounds to believe that the entity will be able to pay its debts as and when they become due and payable.

This declaration is made in accordance with a resolution of the Board of Directors.



Michael Bernardo

Director, ACPSEM

Dated this 7th day of October 2020

Auditor's Independent Declaration

I declare that, to the best of my knowledge and belief, during the year ended 30 June 2020, there have been:

- (i) no contraventions of the auditor's independence requirements as set out in the *Corporations Act 2001* in relation to the audit; and
- (ii) no contraventions of any applicable code of professional conduct in relation to the audit.



Jiahui (Jeremiah) Thum

Director, Independent Audit Services

Chartered Accountants

Dated this 7th day of October 2020

Auditor's Independent Report

REPORT ON THE AUDIT OF THE FINANCIAL REPORT

Opinion

We have audited the financial report of Australasian College of Physical Scientists and Engineers in Medicine (the Company), which comprises the statement of financial position as at 30 June 2020, the statement of profit or loss and other comprehensive income, the statement of changes in equity and the statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, and the directors' declaration.

In our opinion, the accompanying financial report of the Company is in accordance with the *Corporations Act 2001*, including:

- (i) giving a true and fair view of the Company's financial position as at 30 June 2020 and of its financial performance for the year ended 30 June 2020; and
- (ii) complying with Australian Accounting Standards and the *Corporations Regulations 2001*.

Basis for Opinion

We conducted our audit in accordance with Australian Auditing Standards. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Report* section of our report. We are independent of the Company in accordance with the auditor independence requirements of the *Corporations Act 2001* and the ethical requirements of the Accounting Professional and Ethical Standards Board's APES 110 Code of Ethics for Professional Accountants (the Code) that are relevant to our audit of the financial report in Australia. We have also fulfilled our other ethical responsibilities in accordance with the Code.

We confirm that the independence declaration required by the *Corporations Act 2001*, which has been given to the directors of the Company, would be in the same terms if given to the directors as at the time of this auditor's report.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

We draw attention to Note 1 to the financial report, which describes the basis of accounting. The financial report has been prepared for the purpose of fulfilling the directors' financial reporting responsibilities under the *Corporations Act 2001*. As a result, the financial report may not be suitable for another purpose. Our opinion is not modified in respect of this matter.

Other matters - Going Concern

We draw attention to Note 27 of the financial report which describes the current outbreak of the Coronavirus (COVID-19) which may have an impact on the going concern of the entity within the next 12 months of the signed financial report. The impact of the Coronavirus (COVID-19) pandemic is ongoing and while it has been financially positive for the company up to 30 June 2020, it is not practicable to estimate the potential impact, positive or negative, after the reporting date. The situation is rapidly developing and is dependent on measures imposed by the Australian Government and other countries, such as maintaining social distancing requirements, quarantine, travel restrictions and any economic stimulus that may be provided.

We also noted the entity's business operation is dependent on the Federal Government's continued financial support through renewal of the existing grant funding. As of the date of this report, the current grant funding agreement has been extended to 2021. Our opinion is not modified in respect of this matter.

Responsibilities of Directors for the Financial Report

The directors of the Company are responsible for the preparation of the financial report that gives a true and fair view in accordance with Australian Accounting Standards and the *Corporations Act 2001* and for such internal control as the directors determine is necessary to enable the preparation of the financial report that

gives a true and fair view and is free from material misstatement, whether due to fraud or error.

In preparing the financial report, the directors are responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the Company or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Financial Report

Our objectives are to obtain reasonable assurance about whether the financial report as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial report.

As part of an audit in accordance with the Australian Auditing Standards, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial report, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of

the Company's internal control.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial report or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial report, including the disclosures, and whether the financial report represents the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide the directors with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.



Jiahui (Jeremiah) Thum

Director, Independent Audit Services
Chartered Accountants

How You Can Get Involved



**Write / mark /
supervise exams**



**Contribute to the
Focus Newsletter**



**Get involved with
your local branch**



**Participate
in mentoring
and leadership
programs**



**Join the Board,
PSB or a
Certification
Panel**



**Comment or
proof-read our
Position Papers**



**Join or start a Specialty
Group, Special Interest
Group, Working Group
or Committee**

Industry Supporters

ACPSEM is proud to work in partnership with our company supporters:

- AlphaXRT
- Elekta Pty Ltd
- Deutsch Medical Pty Ltd
- Gamma Gurus
- Icon Group
- Oxford Scientific
- Radiation Protection Services (radpro)
- RadTest Australia
- Radtronics Pty Ltd
- Safe Radiation Pty Ltd
- SIEMENS Healthineers
- SIEVERTS Radiation Consultancy
- Varian Medical Systems Pty Ltd
- DTect Innocation

Key associated organisations

Beyond ACPSEM's internal efforts to promote the science and practice of the physical sciences in medicine, we also work closely with other key organisations to advocate for our common areas of specialty practice and the professions within them.

Key associated organisations include:

- Royal Australian and New Zealand College of Radiologists (RANZCR)
- Australian Society of Medical Imaging and Radiation Therapy (ASMIRT)
- Australasian Radiation Protection Society (ARPS)
- International Organization for Medical Physics (IOMP)
- Asia-Oceania Federation of Organisations for Medical Physics (AFOMP)
- European Society for Radiotherapy & Oncology (ESTRO)
- Australasian Radiation Protection Accreditation Board (ARPAB)
- Australian and New Zealand Society of Nuclear Medicine (ANZSNM)

Membership of External Groups

ACPSEM formally collaborates with a number of the above organisations for the benefit of our specialty areas.



Working Lego Model LINACs were auctioned during EPSM 2019 to raise funds for the Better Healthcare Technology Foundation. The model demonstrate to patients and their families about how LINACs work, improving patient understanding, care and confidence.

Get in touch

ACPSEM

Suite 7.12 , Aero 247
247 Coward Street
Mascot
NSW 2020
Australia

Ph: +61 (0) 2 8305 3902

Fax: +61 (0) 2 9700 8023

e: enquiries@acpsem.org.au

w: www.acpsem.org.au



ACPSEM

Australasian College of Physical
Scientists & Engineers in Medicine