

# Annual Report

2020 - 2021

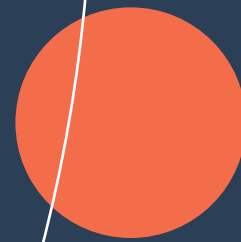


**ACPSEM**

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

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# President's Report



**Kym Rykers**

*ACPSEM President*

**“Looking back at achievements over the last 12 months has proven that adaption and working differently can produce high quality work and allow for broad collaboration”**

2021 has continued to challenge us all. Looking back at achievements over the last 12 months has proven that adaption and working differently can produce high quality work and allow for broad collaboration. The output of our numerous groups, PSB (Professional Standards Board) and CPs (Certification Panels) has been significant, and I thank the commitment made by members in volunteering energy and time to promote and articulate our work. I also recognise the commitment of our CEO, Sharon Flynn, and the team at the ACPSEM office, who have continued to build on our standing with national and state health services resulting in significant tangible outcomes for us.

## **Governance**

All Board meetings have been held virtually this year with local hubs where possible. 2021 welcomed Ben Hug from WA and Andy Cousins from NZ to the Board. In 2022 Trent Aland from Qld will join while Richard Dove will step away from his Board role after 14 years of dedicated service. Richard has been a stalwart of leadership and support as the Board actively follows through on the good governance practises introduced in 2019. Rosemary Peavey, our independent board member, continues to offer her expertise into 2022 and has brought a very welcome, sensible, and informed governance perspective to our strategic planning and decision making.

## **Matters affecting the Profession**

The detail and linking of protected title, scope of practice and registration

is work that is being addressed by the College in each of the following 3 areas:

### **National Registration and Accreditation Scheme [NRAS]**

After extensive surveying of members in Aust and NZ was undertaken regarding national registration of Physicists. High response rates to the survey were achieved. Support for National registration was strongly supported by Aust members and is a clear objective of the Board and one which is being actively pursued as a high priority. At the same time, a way to continue talking about national registration has been determined for New Zealand members based on the clear steps identified to achieve HPCAA registration in that country.

NRAS is the term which encompasses the application process preceding AHPRA (Australian Health Practitioner Regulation Agency) registration in Australia. Milestones to note are:

- Release of 1 of 2 consultation documents (relevant to Australian and New Zealand members) and seeking key data for the submission - November 2021
- Completion of medical physics scopes of practice – April/May 2022
- Draft NRAS Submission (including a consultation period) - July August 2021

Reviewing where Radiopharmaceutical Science (RPS) may sit in this approach is work yet to be undertaken as the focus sits with consolidating the RPS CP work and syllabus.

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### **Workforce Modelling DIMP (Diagnostic Imaging Medical Physicists) and ROMP (Radiation Oncology Medical Physics)**

Significant workforce surveys and modelling has been undertaken by ACPSEM staff, consultants and dedicated working groups leading to an updated workforce model for ROMPs, with the DIMP modelling (nuclear medicine and diagnostic radiology) due for completion in the new year. The predictive component of the ROMP model has already been used to assist the department of health and Earnst and Young in their cancer Workforce Study inclusive of a new 10 year plan.

### **College Registration**

There exist established pathways to College registration through the TEAP process and through an assessment of qualifications and experience for experienced Physicists or RPS. There was a recognized need to establish another pathway for registration of other members of our college who do not easily fit into these categories; who may cross over strongly into research, development and other areas requiring high level Physics such as radiation protection. The new Bespoke pathway will be available from early 2022. The guidelines in support of the new pathway will be available by February 2022.

CTGs (Clinical Training Guides) have or are being extensively reviewed and updated to reflect the changing needs of clinics in both diagnostic and therapeutic applications of medical physics. The ROMP update is complete with DIMP and RPS reviews underway as well. Changes to the ROMP CTG are revolutionary, reflecting best practice

in clinical education as well as the technologies and scopes of practice relevant to radiation oncology medical physics. The implementation of these changes will include particular attention to supervisor training including provision of a digital handbook. Terms such as “programmatic assessment” and “entrustment scales” will begin to have meaning into 2022 and changes related to Brachytherapy, Particle Therapy, MR, and the assessment of professionalism, will be evident.

### **Membership & COVID-19**

The College remains in a strong and stable financial position. Membership growth continues in a steady manner and the rollout of on-line CPD events across Aust/NZ has enabled high levels of participation for both TEAPs and full members to learn and collaborate. The online approach to CPD has been very well received and will offer all members greater opportunities to maintain professional links and competencies. Most branches and specialty groups delivered online content made available to all members, with the MIRSIG (Medical Image Registration Special Interest Group) webinars and workshop drawing the biggest crowds.

As the delivery of Radiotherapy services expands into more regional areas the learnings from adapting to COVID-19 will provide the framework to support members in their local services.

The College continued to work innovatively to provide TEAP assessments, building from the approach taken in 2020. Our team of 8 TEAP coordinators all Credentialling Panel members, and local TEAP supervisors are to be commended on their commitment to supporting early

career members while managing their own COVID-19 work/life challenges.

### **Financial**

ACPSEM continues to maintain a strong financial position. Treasurer Mikey Bernardo will report on financial results for the past year. I thank Mikey for his diligence and engagement in chairing the Financial and Audit Committee of the College.

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. This funding has been successfully negotiated for a further 4 years commencing in 2022. Grants are expected to be open in the first half of 2022 with a 12-15 grants available per year with some funding also directed towards innovative collaboration for education and training as well.

### **2021 Significant Events**

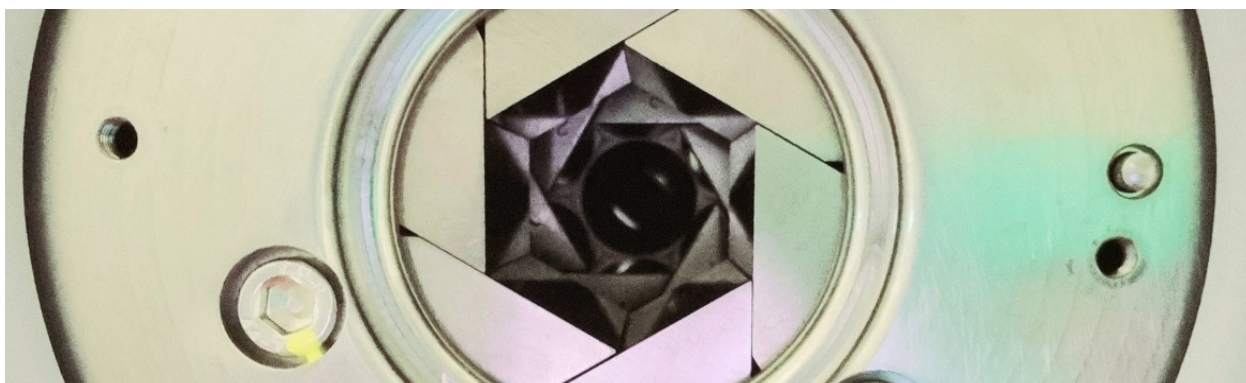
#### **EPSM 2020**

Last year's EPSM was successfully delivered online by our Brisbane hosts lead by Scott Crowe. It is disappointing that many of us were denied again to attend this beautiful city for EPSM 2021.

Attendance and feedback to the 2020 conference was very good and (unfortunately) helped shape our 2021 online event which was again very well subscribed and offered a well-structured and targeted programme.

#### **MR Safety Experts Certification Course**

The first ACPSEM MR Safety Expert Course began in 2020 and is being finalized now. The course was oversubscribed and well received by members and stakeholders and, as



members and stakeholders and, as forecast, involved a lot of demanding work on the part of participants. Of special note is that colleagues, MR specialists from other specialties and academia in Australia and NZ enthusiastically accepted invitations to sit on the expert assessment panel. Another course will be run in 2022. This work has been recognized in Version 3 of RANZCR's Clinical Practice Guidelines.

#### **Establishments of New Technology-based Working Groups and Task Groups**

The CEO's report includes mention of the hard work being undertaken by specialty groups and special interest groups and the considerable number of working and task groups created in 2020/21 across the spectrum of expert medical physicist groups to others concerned with promoting a culture of diversity equity and inclusion in workplaces.

In 2020 the college established 2 new technology-based groups alongside the Particle Therapy Working Group, which continues to collaborate with RANZCR and ASMIRT in preparation for the opening of the Bragg Centre in SA in 2025. These new groups are the MR Linac Working Group and Software Development Task Group.

The Particle Therapy and MR Linac groups aim to provide an ACPSEM position on the safe clinical introduction and optimal use of technologies, to address

training and education requirements (TEAP, CPD and potential new initiatives) and provide leadership and influence in the quality and delivery of related therapies in an Australian and New Zealand context, as well as supporting and promoting collaboration, technical and clinical research.

The MR Linac Working Group has been remarkably productive in a short space of time, to meet the increasing uptake of MRI-Linacs into broader clinical practise. This group brings together those currently involved in development and application of MRI.

In 2021 the Particle Therapy Group focus is on leading a new ACPSEM/RANZCR/ASMIRT WG to develop and report on "Australian proton-photon comparative planning consensus guidelines". The three Particle Therapy WGs have been working together for some time and are now taking this collaboration a step further.

The Software Development Task Group has been formed to address the growing number of complex questions arising from the in-house development and non-commercial sharing of software, including legal aspects, creating decision support tools for institutions, and recommending a minimum scope of practice.

An AI Working Group has also recently been established following an EOI in March 2021 and its intention is to work collaboratively with RANZCR and

ASMIRT from the outset. More about this group in next year's report.

More information about all groups can be found on our [website](#).

#### **WC2025**

Members may recall that the ACPSEM successfully led a bid to hold World Congress on Medical Physics and Biomedical Engineering 2025 (WC2025) in Adelaide in 2025. Work has begun on securing the venue contract and a number of other arrangements. The local organizing committee is being led by Prof. Eva Bezak.

#### **Conclusion**

There is strength in numbers for the ACPSEM to be a voice for patients in the safe and effective use of technology in the demanding world of health care and research. The work of our Members directly impacts the how, why, when and who, in bringing new tools, technology and quality initiatives into our clinics and universities. We should aim for optimal health care and appropriate resourcing to support existing needs and future expansion and access. What we do as individuals reflects on our profession and our peers and I am continually impressed by the energy and passion of members across all disciplines. Clearly it has been a dynamic 2021!

Please consider where your professional passion lies and be an active player for ACPSEM heading into 2022 and beyond.



# CEO's Report

Sharon Flynn  
ACPSEM CEO

## ACPSEM 2021 Introduction and Overview



Sharon Flynn  
ACPSEM, CEO

## ACPSEM 2021 Detailed Activity Review

### PSB & BOARD ACHIEVEMENTS DIRECTLY IMPACTING MEMBERS

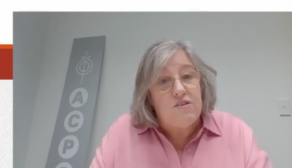
**August 2021** Approval of a new “Bespoke Pathway” to Registration, for those working outside of DR, NM, RPS and ROMP specialties

**October/November 2021** Registration Requirements Policy reform and approval (assessment of qualifications and experience for registration)

**June 2020- January 2022:** Approval and implementation of a new CPD Framework, Handbook & Platform

**January to October 2021:** Approval of the new ROMP CTG structure and programmatic assessment framework

Sharon Flynn  
ACPSEM, CEO



# 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 2020-2021 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



## 1. Sustainability

- Retain Government Funding beyond 2024
- Evaluate and Report on the Impact of the G2 Grants (to departments) scheme
- Implement an alternate generalist pathway for medical physicists
- Income Diversification
- International Collaboration
- Develop a New Sponsorship Strategy

## 2. Membership

- Focus on the value of Membership for Career Development
- Extension of ACPSEM Membership to other Groups
- Membership Retention and Growth

## 3. Education

- Complete Transition to Online delivery of ACPSEM early and mid-career leadership and mentoring programs
- Increase resources for and support of online workshops, seminars and CPD programs
- Evaluate TEAP reforms and management
- Professional Development for Senior College members
- Strengthen Examiner and Assessor Training and Development
- Reform site accreditation processes to more closely align with AMC standards.

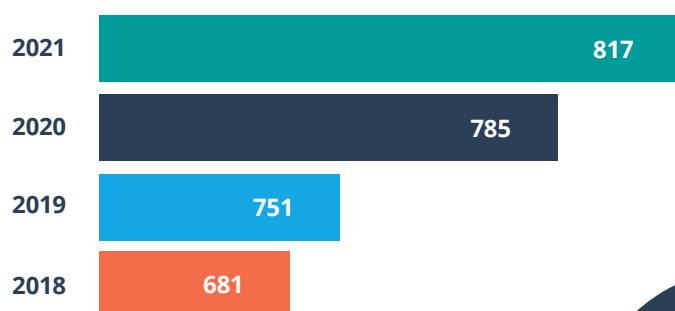
## 4. The Profession

- Renewal of membership of the Advisory Forum in support of priority tasks:
  1. Scope of practice review
  2. Code of Ethics Redevelopment
- Positioning of the ACPSEM and its Professions
- Workforce Planning and New Technology Scanning
- Registration and Certification Reform and Continuous Improvement

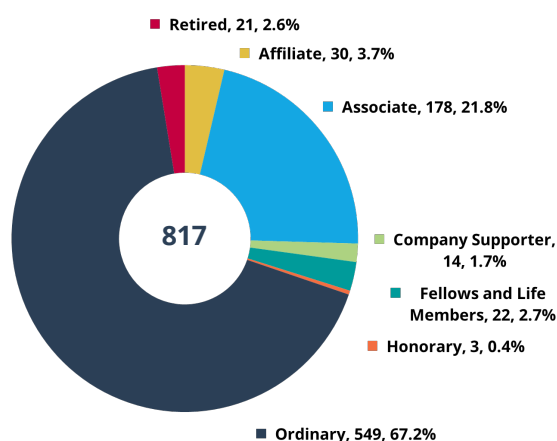
# Year at a Glance

Despite the ongoing challenges presented by the COVID-19 Pandemic, the College has proved resilient. The 2020-2021 Financial Year has been one of reaffirming growth.

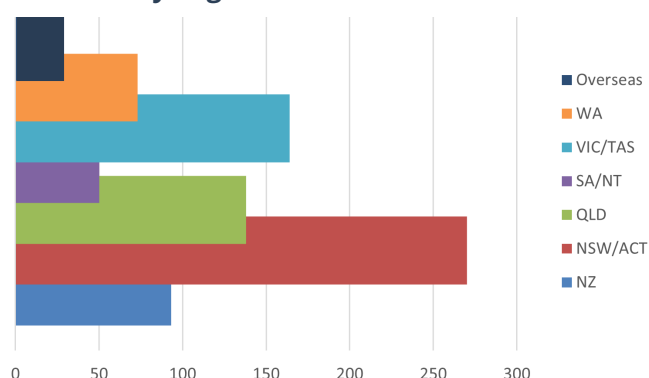
## Total number of Members



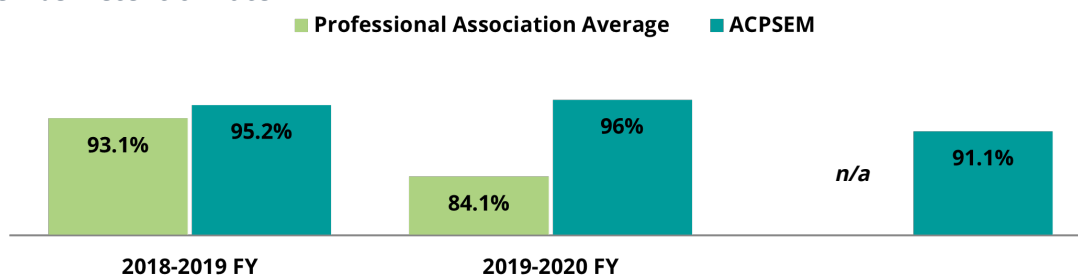
## Membership Breakdown



## Members by Region



## Member retention rate



## A Virtual “New Normal”



# 21

ACPSEM webinars

As Covid- 19 restrictions grew stricter and lockdowns became longer, we committed to hosting regular webinar events so that members could still pursue CPD opportunities.

ACPSEM’s Specialty Groups, Special Interest Groups and Branch Executive Committees organised a total of 21 webinars between Juner 2020 and July 2021.

On average, webinars attracted 131 attendees.



# 2,751

Webinar registrations

## Number of submissions, position papers and statements

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



# 12

## Social Media

### ACPSEM digital channels

1,227 Facebook followers

1,895 Twitter followers

414 LinkedIn followers

### ACPSEM digital reach

70 169 Facebook impressions

134,676 Twitter impressions

33,632 LinkedIn impressions

**Total impressions: 238,477**

### ACPSEM digital engagements

6,003 Facebook engagements

1,235 Twitter engagements

1,860 LinkedIn engagements

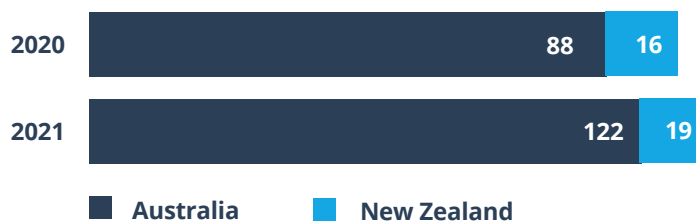
**Total engagements: 9,098**

## Member vounteer positions



**262** ACPSEM Members volunteer across **497** volunteer positions within the College

## TEAP Enrolments



# ACPSEM Branch Reports

The Branch Executive Committees have adapted remarkably to the challenges of facilitating scientific meetings and networking events amidst the upheaval of the COVID-19 pandemic and maelstrom of restrictions around it. All worked incredibly hard to pull off a range of in-person and virtual events over the last financial year. The COVID-19 pandemic has changed the face of branch activities, but not the quality of the events and skills development opportunities they comprise.

## Branch Chairs



**Christopher Noble**  
*QLD Branch Chair*



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



**Tegan Rourke**  
*WA Branch Chair*



**Alicia Moggré**  
*NZ Branch Chair*



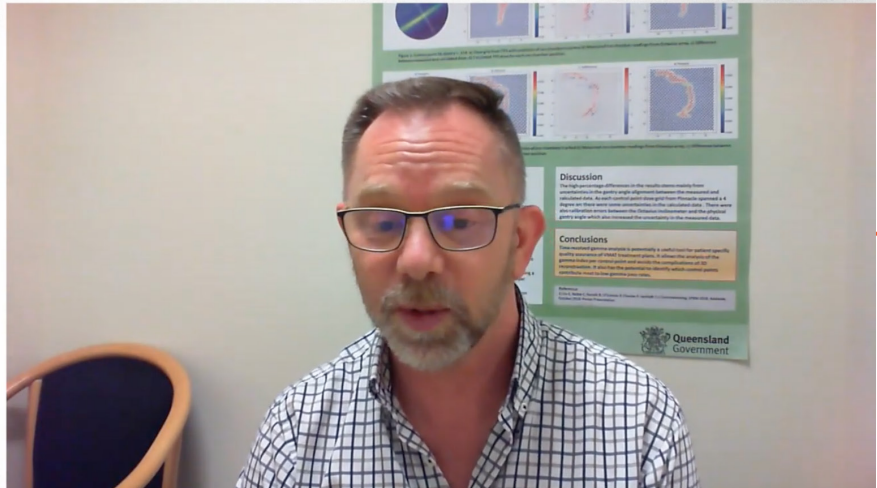
**Zoë Moutrie**  
*NSW/ACT Branch Chair*



**Chris Colyer**  
*SA/NT Branch Chair*

## Queensland

### ACPSEM 2021 Annual Report



**Christopher Noble**  
ACPSEM, Queensland

### ACPSEM 2021 Annual Report



**Tegan Rourke**  
ACPSEM, Western Australia

## Western Australia



## New South Wales & The Australian Capital Territory

### Key achievements for 2021

Continued success of last year's virtual scientific meetings with several SME presentations on a variety of topics, hopefully providing our members with CPD points for most specialties.

MedPhys21 will be opened up nationally for the first time, creating a more inclusive and multidisciplinary approach to support TEAP registrars achieved their national presentation and exposure NSW students to a wider audience (with the hopes of helping them find employment after graduation).

### Key challenges for 2021

Changes in committee membership mid-term lead to some delays in actioning our goals. Three of the committee members this year had a portfolio and passion for on schools engagement and regional support, since these projects were moved nationally their extra circular time was redirected from the local branch to a national level. Hopefully they will find time next year to commit their time to the branch.

We have had to put a hold on in-person workshops that were otherwise going to be hosted this year, missing out on social functions was a bit disappointing.

### Impact of COVID on branch activities this year

COVID has effectively eliminated any networking opportunities we wanted to provide our members, having provided surveys

to the membership on what they wanted from us we have identified networking and more CPD are the two key areas our membership needs.

It has meant we have had to embrace the virtual events and think more critically about how members can stay in contact remotely, which in turn helps our regional and rural members

Co-hosted events with universities or research institutes have been challenging due to staffing reductions, changes to their operational requirements and funding policies.

Our schools engagement has been minimal due to the schools directing their resources into virtual learning platforms and adapting to the stay at home orders, but as said before this will now be a national WG so hopefully sharing resources will make the tasks less of a burden.

### Top 3 priorities for 2022

Supporting EPSM 2022 and as many of our membership to attend the conference. (announcement to be made at the branch Annual meeting)

Providing better professional collaboration opportunities for our members especially the remote and rural teams.

Collaborating with other branches and SIG to host workshops on key topics.

*Zoë Moutrie, NSW/ACT Branch Chair*







## Victoria & Tasmania

Unfortunately 2021 was dominated by Covid-19 for most of our members. All Tasmanian and Victorian members had to deal with travel restrictions and limited access to training and social opportunities.

Other challenges included extended working (and schooling) from home, adjusting to N95 masks and accessing vaccines. But we are proud of our increased use of technology and the CPD opportunities we provided our members. We co-hosted an online seminar with the NSW/ACT branch in what we hope is a model for future inter-branch collaboration. Top priority next year will be getting together in person as much as humanly possible. We will be repeating our very popular Branch Day in

2022 and are always looking for new ways to support and inspire members in our two states.

Clement Conheady, VIC/TAS Branch Chair

## South Australia & The Northern Territory

### Key achievements for 2021

After a non-eventful and isolating 2020, without a doubt the key achievements were the social events we held. The bbq dinner we held back in may hosted by sean geoghegan was enjoyed greatly by those who were able to attend, and we managed to get together for friday night drinks on one occasion which was very popular.

### Key challenges for 2021

As 2021 represented the end of the cpd cycle, the branch tried to offer as many opportunities as possible to fulfil these requirements with lectures and events. One of our big struggles has been getting large numbers of members attending these, even with the option for remote viewing through zoom and opening them up nationally attendance numbers were still disappointingly low.

### Impact of COVID on branch activities this year

SA/NT have been incredibly lucky to avoid lengthy lockdowns or harsh restrictions, so while we had contingency plans for many of our events we have not had to use them. We tried to make as many as possible of our lectures virtual-only for this reason, but will return a hybrid approach to maximise the networking opportunities that you don't get over zoom.

### Top 3 priorities for 2022

After a very quiet 2020, in 2021 we wanted to prioritise the following 3 themes.

**Visibility** – as a small branch we tended to disappear during the turmoil of last year, we wanted to make sure sa/nt provided some online cpd events that nationally all members could join in and see what we were up to.

**Relevance** – ensuring that the activities we held were useful, we put a lot of emphasis on cpd this year. We plan to get feedback from the branch on which cpd items they would find most useful for the coming year.

**Social** – we barely saw anyone outside our own small circles but this year we managed to get together on several occasions. 2022 Will be about keeping this momentum going and making some of these once-off events regular items.

Chris Colyer, SA/NT Branch Chair

# New Zealand

## Key achievements for 2021

The branch committee for 2021 is a group that combines both some new members to the group alongside people who have contributed for a long (and in some cases a very long!) time, as well as a nice mix of DIMP and ROMP backgrounds, and public and private clinics. This mix of backgrounds has been really positive for the committee, bringing a wide range of perspectives to discussions and there has been some nice progress across a range of areas. The frequency of branch committee meetings has been increased to a regular monthly meeting, which has enabled a range of topics to be progressed. Additionally these meetings have been open to and commonly attended by our official spokespeople for different specialties, increasing visibility and communication on relevant subjects.

A major 2021 achievement by the NZ branch has been the successful annual branch conference, New Zealand Physics and Engineering in Medicine (NZPEM), which was hosted virtually in early May by our Wellington based organising committee (Lynne Greig (convenor), Matthias Dessein, Nick Lowther, Shauna Nic A Bhaird and Geoff Smith). They put together a fantastic programme for the conference which really showcased highlights from the NZ medical physics frontlines.

The second major achievement has been the move away from our Branch being run as an Incorporated Society, to transition to officially following the ACPSEM Branches policy. This required a thorough review of the Branches policy and our Incorporated Society constitution and working through the process required to adopt the new policy while retaining useful features from the constitution, reviewing the historical financial records to ensure any outstanding tax liabilities were resolved, and a special meeting of the branch (attended by 39 voting members) to vote on the motions required to dissolve the incorporated society, formally adopt the Branches policy and re-elect all the branch committee/office holders.

Other projects which have been progressed this year include:

- -Establishment of a subcommittee to begin looking at the subject of mandatory registration here under the Health Practitioners Competence Assurance Act (HPCAA).
- Forming a subcommittee to consider the future needs of the NZ DIMP workforce (under pressure due to existing limited numbers and a relatively high average age). Currently three separate groups are now partway through the process of applying for accreditation with the ACPSEM for DIMP training under the TEAP programme so we hope to see a pathway for a new cohort of DIMP registrars to begin their training in New Zealand soon.

- Creation and circulation of a poster for members to display in their clinics or elsewhere, in honour of the upcoming November 7th IOMP International Day of Medical Physics. The theme this year is "Communicating the Role of Medical Physicists to the Public."
- Formalising a policy regarding NZPEM with clear guidelines to ensure that there is consistency in the approach, and clarity around responsibilities and decision making (particularly financial) between the organising committee (which rotates around the country every year) and the branch committee.

## Key challenges for 2021

There haven't been too many challenges this year. Increased frequency of committee meetings and open communication channels has meant that we have been able to have positive discussions and involvement on a range of issues.

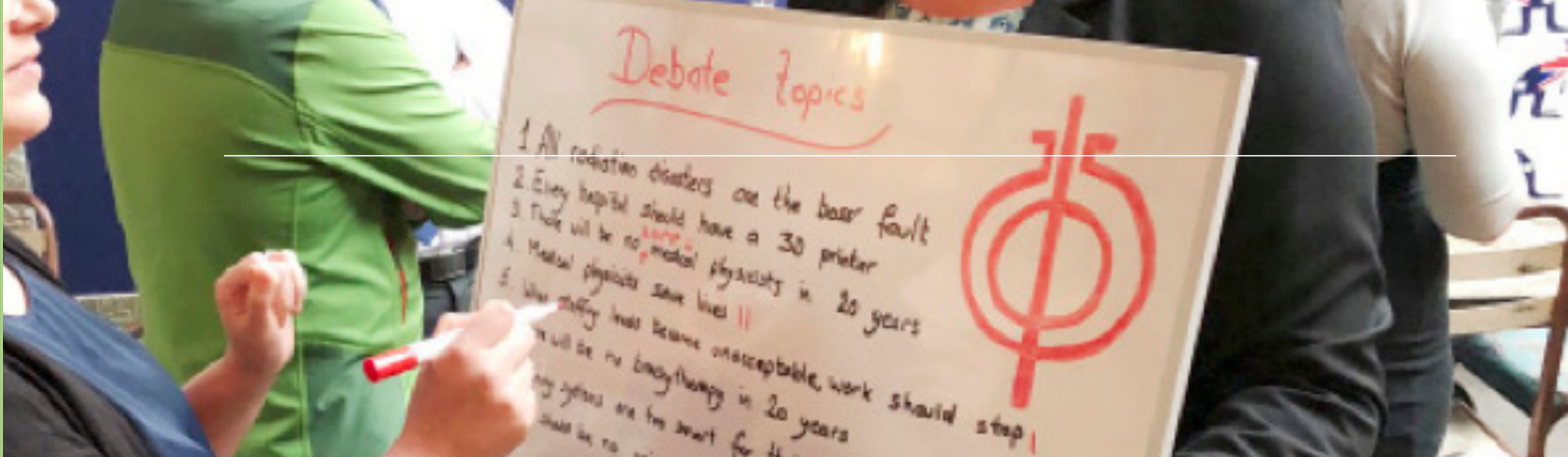
One challenge we do face is representation on the committee/ in the branch by bioengineers, and the consequent ability to provide relevant content for them, as the branch is dominated by the medical physics contingent.

Another challenge we have been trying to meet is ensuring there is sufficient NZ representation on issues (within the College or elsewhere) where a NZ-specific viewpoint is relevant or necessary.

## How has COVID impacted your branch activities this year

The primary impact from COVID in terms of branch activities has been on our annual conference, New Zealand Physics and Engineering in Medicine (NZPEM). This year our Wellington based organising committee successfully pivoted to running this conference as a full virtual event for the first time. The online platform used was from The Conference Company, resulting in a very professional experience, and the organising committee really took advantage of the format to include an array of interesting international keynote speakers. The preference is to hold an in person conference in future years, but if this is not possible future challenges of a virtual conference include providing sufficient value to the sponsors, creating networking opportunities, and balancing the affordability of the conference with the value of a purpose built virtual event hosting platform.

The other challenge was around planning attendance for EPSM. The limitations on travel between Australia and New Zealand precluded many people from including attendance at EPSM into their CPD plans. The pivot to a full virtual conference, thereby facilitating attendance from NZ based members, is



much appreciated. However the realities of the timing around this decision may have resulted in a reduced level of abstract submission from NZ this year.

On the positive side, everyone's increased familiarity with video conferencing and remote collaborations due to Covid has meant that the branch committee has had some very productive monthly meetings with everyone taking the virtual approach in stride.

### Top 3 priorities for 2022

1. To continue providing opportunities for our Branch members to share their work and experience, and network with colleagues from around the country.

In particular, to successfully host the 2021 NZPEM conference - next year will be run by a Christchurch organising committee on the 11th -12th of April, and current plans are for this to be an in person event to maximise networking opportunities. There is also currently a project underway led by ROMPs at the Kathleen Kilgour Centre to host a NZ-centric virtual SABR workshop to share experience and compare approaches between centres, potentially including a national SABR dosimetry audit. Additionally the Branch committee is keen to facilitate opportunities for members to organise other workshops, events or collaborations for members.

2. Continuation of a record of the local history of our medical physics and bioengineering professions in NZ.

The excellent document "The Development of Medical Physics and Biomedical Engineering in New Zealand Hospitals" was put together by Hugh Jamieson and other

colleagues from around the country some 25 years ago now. This seems like a reasonable interval for a continuation, to ensure that interesting developments and stories from our professions and their people are recorded for posterity. The project is in its early stages with an initial list of contributors from different centres and professional specialties around the country approached and the first few contributions received. We are yet to appoint an editor to help shape the overall document to be a cohesive picture of the past 25 years. The aim is to complete this project during 2022.

3. Ensuring NZ Branch members have a voice on issues affecting our professions.

The Branch committee intends to encourage and facilitate the representation by NZ Branch members on a range of issues, from input on regulatory matters to increasing involvement in ACPSEM specialty groups and committees. This includes in particular, providing a coordinated response to the upcoming 5 year reviews of the NZ Codes of Practice and Guidance Notes which are due in 2022, as well as progressing work on understanding the requirements of mandatory registration of medical physicists under the HPCAA, and to continue to promote opportunities for involvement by our members in ACPSEM working groups, particularly those where specific input on NZ specific considerations is helpful.

Alicia Moggré, NZ Branch Chair



# Medical Physics Workforce

[Click the thumbnails](#)



## ROMP Workforce Modelling Project Summary Workforce Paper

*Contextualised Australasian IAEA Model and accompanying  
Workforce Snapshot 2020*

August 2021

ROMP Workforce Modelling Project

## DIMP Workforce Interim Report



In partnership with

**Doll  
Martin  
Associates**

## Diagnostic Imaging Medical Physicists Workforce 2021 Interim Report.

Health context & potential source data

April 2021



# ACPSEM ROMP workforce model



## Workforce modelling project task group

Trent Aland, Scott Crowe, Darren Doromal, Lotte Fog, Lynne Greig, Lynsey Hamlett, Jenny Lydon, Howell Round, Adam Sawers, David Waterhouse

## 2020 DIMP Workforce Survey



**EPSEM**  
ENGINEERING + PHYSICAL  
SCIENCES IN MEDICINE

### A 2020 Survey of the Australasian Diagnostic Imaging Medical Physics Workforce

L. Wilkinson, Dept. of Medical Engineering & Physics, St. Vincent's Hospital  
Z. Brady, Dept. of Radiology, Alfred Hospital  
H. Round, ACPSEM





# Board of Directors



**Kym Rykers**

*President*

Kym is the Medical Physics Manager at Olivia Newton John Cancer & Wellness Centre, Austin Health, VIC, which provides external beam radiotherapy to cancer 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 its members to government groups and health service providers.



**Kevin Hickson**

*Vice President*

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 has served as Treasurer (2019) and Head of Specialties (2020).



**Michael Bernardo**

*Treasurer*

Michael is a Certified Medical Physics Specialist (Diagnostic Radiology) with Biomedical Technology Services, and former Chair of the ACPSEM QLD Branch. Michael's desire to contribute to the College's strategic direction led him to join the Board of Directors.



**Lucy Cartwright***Head of Specialties*

Lucy is an ACPSEM certified Radiology Medical Physicist working at Westmead Hospital, NSW. Lucy oversees the medical physics service for BreastScreen NSW and was integral to the development of the BreastScreen and RANZCR mammography QA programs. She is keen to raise awareness of our profession, to improve patient care for services which do not yet have access to imaging physicists, and to create opportunities for the future generations.

**Andy Cousins**

Andy Cousins is a Radiation Oncology Physics Team Leader at Christchurch Hospital, NZ. He brings varied experience across various radiation and safety regulatory regimes to the Board. Andy was Vice Chair and Chair of the NZ Branch (2016-18), and was the NZ representative on the branch review working group.

**Ben Hug**

Ben is a Principal Radiation Oncology Medical Physicist at 5D Clinics, WA. He has a particular interest in the ACPSEM's current review of potential AHPRA registration. Ben is motivated to volunteer his time and expertise to the College by his desire to assist in shaping future frameworks. Ben previously served as Secretary of the WA Branch.

**Richard Dove**

Richard is the Clinical Manager of the Department of Medical Physics & Bioengineering at Christchurch Hospital, NZ. He has been on the ACPSEM Board since 2009. Richard was President from 2019-2020. He believes that the scientific skills that we bring to healthcare are incredibly valuable and serves as a Director so that he may voice these beliefs and enhance the status and value of our roles as health professionals.

**Ivan Williams**

Ivan is the Chief Medical Radiation Scientist and Head of the Medical Radiation Service Branch at the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA).

**Rosemary Peavey**

Rosemary is an experienced legal and governance professional with experience in commercial and professional service environments. ACPSEM's focus on assisting and empowering science professionals to improve patient outcomes is what attracted Rosemary to the Board. She brings with her core skills in the areas of governance and risk management.



# The Professional Standards Board

The ACPSEM is responsible for the Professional Standards that direct the safe and clinically competent practice of medical physicists and radiopharmaceutical scientists working in Australia and New Zealand. These standards underpin our certification and registration programs to ensure that our members meet both national and international benchmarks for skill, quality, efficiency and safety.

Under Section 30 of the ACPSEM Constitution, the ACPSEM Board of Directors is empowered to delegate certain powers to one or more committees. The ACPSEM Board delegates to the Professional Standards Board (PSB) the role of being accountable and responsible for 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.



**Christine Thompson**  
Chair



**Scott Crowe**



**Bess Sutherland**



**Madhava Bhat**



**Kurt Byrnes**



**Ben Cooper**



**James Crocker**



**Richard Dove**



**Mohammad Haskali**



**Cameron Jefferies**



**Paul Keall**



**Emily Simpson-Page**



**James Rijken**



**Nikki Shelton**



**Ian Smith**



**Stephanie Corde**



**Benjamin Khoo**



# EPSM 2020

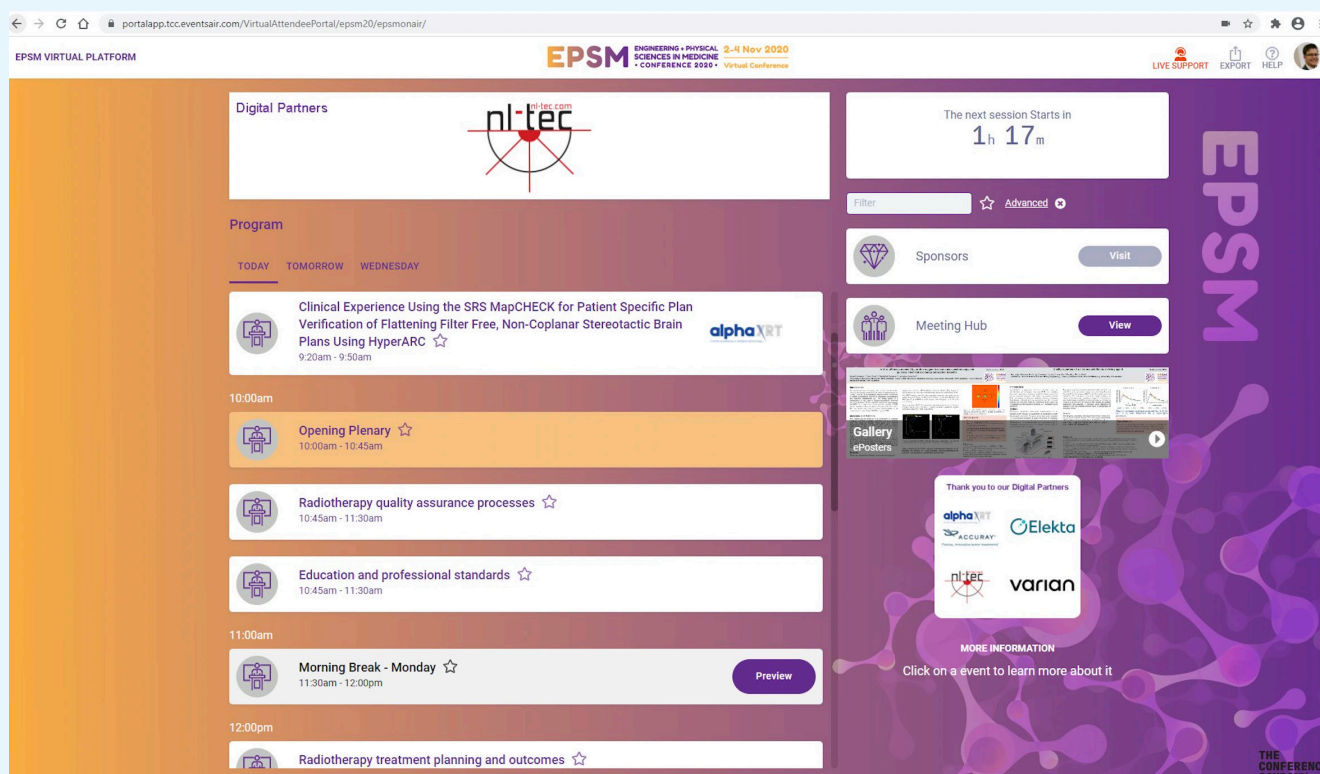
2nd - 4th November, 2020

"Looking back, looking forward"

There was something a bit different about EPSM in 2020. Health orders restricting travel due to the COVID-19 Pandemic forced organisers to move the Conference from Brisbane to the World Wide Web. The organising committee in Queensland took this change in format in its stride and produced a fantastic virtual conference.

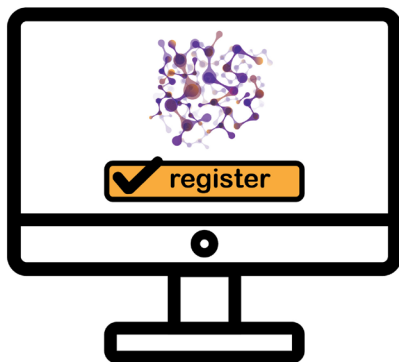
ACPSEM would like to thank all those attendees, contributors and sponsors of EPSM 2020 who helped to make the first virtual occurrence of the conference so successful.

The virtual EPSM attracted 424 delegates from over 20 countries, and boasted a program of 75 speakers.



ACPSEM's Annual Engineering & Physical Sciences in Medicine (EPSM) Conference is the premier annual event for medical physicists, biomedical engineers and radiopharmaceutical scientists in Australia and New Zealand.

**EPSM**  
ENGINEERING + PHYSICAL  
SCIENCES IN MEDICINE  
• CONFERENCE 2020 •



**424** registrations to EPSM

**EPSM**  
ENGINEERING + PHYSICAL  
SCIENCES IN MEDICINE  
• CONFERENCE 2020 •



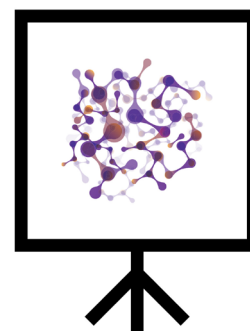
Peaking at **362 attendees**  
online on the EPSM virtual  
platform

**EPSM**  
ENGINEERING + PHYSICAL  
SCIENCES IN MEDICINE  
• CONFERENCE 2020 •



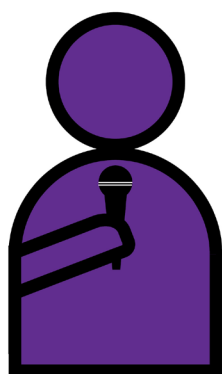
**75** speakers at EPSM

**EPSM**  
ENGINEERING + PHYSICAL  
SCIENCES IN MEDICINE  
• CONFERENCE 2020 •



**45** posters abstracts at  
EPSM

**EPSM**  
ENGINEERING + PHYSICAL  
SCIENCES IN MEDICINE  
• CONFERENCE 2020 •



**86** oral abstracts at EPSM

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Australian Government  
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SOLUTIONS | KNOWLEDGE | EXPERIENCE

**3D one**

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INNOVATION

**9** EPSM sponsors

# Directors' Report

The Directors present their report on the Australasian College of Physical Scientists and Engineers in Medicine for the financial year ended 30 June 2021.

## 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:

#### 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.

#### Lucy Cartwright

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

#### Natalia Suchowerska

- Currently employed as Head of Research and Education (Medical Physics), Department of Radiation Oncology, Chris O'Brien Lifehouse. Company Director from January 1, 2019 to December 31, 2020

#### 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.

#### Martin Ebert

- Currently employed as Director of Physics Research, Department of Radiation Oncology, Sir Charles Gairdner Hospital. Company Director from January 1, 2019 to December 31, 2020

#### Ben Hug

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

#### Andrew Cousins

- 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 and currently works as Senior Legal and Governance Counsel in various commercial settings. 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 2021 the collective liability of members was \$40,850 (2020: \$ 37,650).

## 2. Other items

### Matters of circumstances after the end of the year

The impact of the Coronavirus (COVID19) pandemic is ongoing and has caused significant detriment for the Company up to 30 June 2021, it is not practical to estimate the potential impact, positive or negative, after the reporting date up to the date of this audit report as the Company went through a second lockdown from 26th June 2021 and the lockdown were recently being lifted by the New South Wales government. 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. Based on the current available information, the Board of Directors believe that the entity will remain a going concern.

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
Richard Dove	7	7
Kevin Hickson	7	7
Kym Rykers	7	7
Martin Ebert	3	3
Lucy Cartwright	7	6
Natalka Suchowerska	3	3
Ivan Williams	7	6
Michael Bernardo	7	7
Rosemary Peavey	7	7
Ben Hug	4	3
Andrew Cousins	4	3

# Financial Report

2020-2021

## Statement of Profit or Loss and Other Comprehensive Income

For the Year Ended 30 June 2021

	Note	2021 (\$)	2020 (\$)
Revenue	4	1,515,745	2,269,526
DOH underspent prior year (AASB 15)		51,159	120,064
MPT support 2018-2020(G2) (AASB 15)		1,683,555	1,822,489
Finance income	5	47,332	113,626
Other income	4	133,534	184,972
Employee benefits expense	6	(1,068,785)	(1,050,133)
Depreciation and amortisation expense	6	(78,783)	(73,908)
G2 project expenses		(1,683,555)	(1,930,631)
G1 project expenses		-	(60,000)
DOH underspent prior year		(45,489)	(120,064)
Finance expenses	5	(3,885)	(4,271)
Other expenses		(1,105,455)	(1,052,355)
<b>Surplus before income tax</b>		<b>(554,627)</b>	219,315
Income tax expense		-	-
<b>Surplus for the year</b>		<b>(554,627)</b>	219,315
<b>Other comprehensive income, net of income tax</b>		-	-
<b>Items that will be reclassified to profit or loss when specific conditions are met</b>		-	-
<b>Total comprehensive income for the year</b>		-	-
		<b>(554,627)</b>	219,315

### 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.
- Activity Two (G2 Project): Medical Physicist Trainee Support – Grant paid to facilities employing the trainees

## Statement of Financial Position

As at 30 June 2021

ASSETS		2021 (\$)	2020 (\$)
<b>CURRENT ASSETS</b>			
Cash and cash equivalents	7	4,957,959	4,925,700
Trade and other receivables	8	139,699	149,777
Other financial assets	9	348,178	2,051,707
Other assets	12	83,681	69,888
TOTAL CURRENT ASSETS		5,529,517	7,197,072
<b>NON-CURRENT ASSETS</b>			
Other financial assets	9	-	348,178
Property, plant and equipment	11	421,623	437,342
Right-of-use assets	13	73,576	136,640
TOTAL NON-CURRENT ASSETS		495,199	922,160
<b>TOTAL ASSETS</b>		<b>6,024,716</b>	<b>8,119,232</b>
<b>LIABILITIES</b>			
<b>CURRENT LIABILITIES</b>			
Trade and other payables	14	198,417	315,557
Contract liabilities	10	3,659,497	4,960,302
Lease liabilities	13	60,242	47,637
Employee benefits	16	60,242	88,896
TOTAL CURRENT LIABILITIES		4,026,635	5,412,392
<b>NON-CURRENT LIABILITIES</b>			
Lease liabilities	13	-	60,242
Long-term provisions	15	43,698	43,698
TOTAL NON-CURRENT LIABILITIES		43,698	103,940
TOTAL LIABILITIES		4,070,333	5,516,332
NET ASSETS		1,954,383	2,602,900
<b>EQUITY</b>			
Reserves		309,571	292,951
Retained earnings		1,644,812	2,309,949
<b>TOTAL EQUITY</b>		<b>1,954,383</b>	<b>2,602,900</b>

## Statement of Changes in Equity

For the Year Ended 30 June 2021

2021	Note	Retained Earnings (\$)	Asset Re-valuation Surplus (\$)	General Reserve (\$)	Total (\$)
<b>Balance at 1 July 2020</b>		<b>2,309,949</b>	<b>213,008</b>	<b>79,943</b>	<b>2,602,900</b>
Deficit for the year		(554,627)	-	-	(554,627)
<b>Transactions with owners in their capacity as owners</b>					
Branch Reserves NSW/ACT		-	-	6,886	6,886
Branch Reserves QLD		-	-	2,042	2,042
Branch Reserves VIC/TAS		-	-	1,640	1,640
Branch Reserves WA		-	-	2,396	2,396
Branch Reserves SA/NT		-	-	1,803	1,803
Branch Reserves NZ		-	-	1,853	1,853
Prior year adjustment (1)	(a)	(59,351)	-	-	(59,351)
Prior year adjustment (2)	(b)	(51,159)	-	-	(51,159)
Total other comprehensive income for the period		-	-	-	-
<b>Balance at 30 June 2021</b>		<b>1,644,812</b>	<b>213,008</b>	<b>96,563</b>	<b>1,954,383</b>

2020		Retained Earnings (\$)	Asset Re-valuation Surplus (\$)	General Reserve (\$)	Total (\$)
<b>Balance at 1 July 2019</b>		<b>2,090,634</b>	<b>213,008</b>	<b>24,739</b>	<b>2,328,381</b>
Surplus for the year		219,315	-	-	219,315
<b>Transactions with owners in their capacity as owners</b>					
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		-	-	-	-
<b>Balance at 30 June 2020</b>		<b>2,309,949</b>	<b>213,008</b>	<b>79,943</b>	<b>2,602,900</b>

a. Prior year adjustment (1)

This transaction is to recognise \$51,159 as income for 2020/2021 financial year. The Department of Health in its extension agreement to end of 2021 has required a shift from FY to calendar year accounting and the end date for G1 is 31st December 2021. The amount of \$51,159 will be expensed before 31st December 2021

b. Prior year adjustment (2)

\$59,351.85 is interest generated from G2 in the previous 2019 Financial year, which had been recorded as income and is now recorded correctly as an unspent fund's liability. The interest amount generated for G2 becomes part of the grant pool for use by December 2021. This adjustment journal also corrects an overstatement of interest revenue of \$59,351.85 occurred in Financial Year ending 30th June 2019.

## Statement of Cash Flows

For the Year Ended 30 June 2021

	Note	2021 (\$)	2020 (\$)
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>			
Receipts from customers		1,982,756	4,167,270
Payments to suppliers and employees		(3,998,014)	(4,455,677)
Interest received		47,332	113,626
Interest paid		(3,885)	(4,271)
Net cash used in operating activities	24	(1,971,811)	(179,052)
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>			
Proceeds of other financial assets	9	2,051,707	1,989,052
Net cash provided by investing activities		2,051,707	(179,052)
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>			
Payment of finance lease liabilities		(47,637)	(37,617)
Net cash used in financing activities		(47,637)	(37,617)
Net increase in cash and cash equivalents held		32,259	1,772,383
Cash and cash equivalents at beginning of year		4,925,700	3,153,317
Cash and cash equivalents at end of financial year	7	4,957,959	4,925,700

# 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 2nd day of November 2021

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# Auditor's Independent Declaration

I declare that, to the best of my knowledge and belief, during the year ended 30 June 2021, 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 2nd day of November 2021



# Independent Audit Report to the Members of ACPSEM

## 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 2021, 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 2021 and of its financial performance for the year ended; 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 (including Independence Standards) (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.

### Emphasis of Matter - Basis of Accounting

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 matter - Going Concern

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 2022 (G1) and 2025 (G2) respectively. 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, actions taken to eliminate threats or safeguards applied.

## **INDEPENDENT AUDIT SERVICES**

### **Chartered Accountants**

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



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

# Industry Supporters

**ACPSEM gratefully acknowledges the contributions to the College of its Company Supporters:**

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

## **Key Associated Organisations**

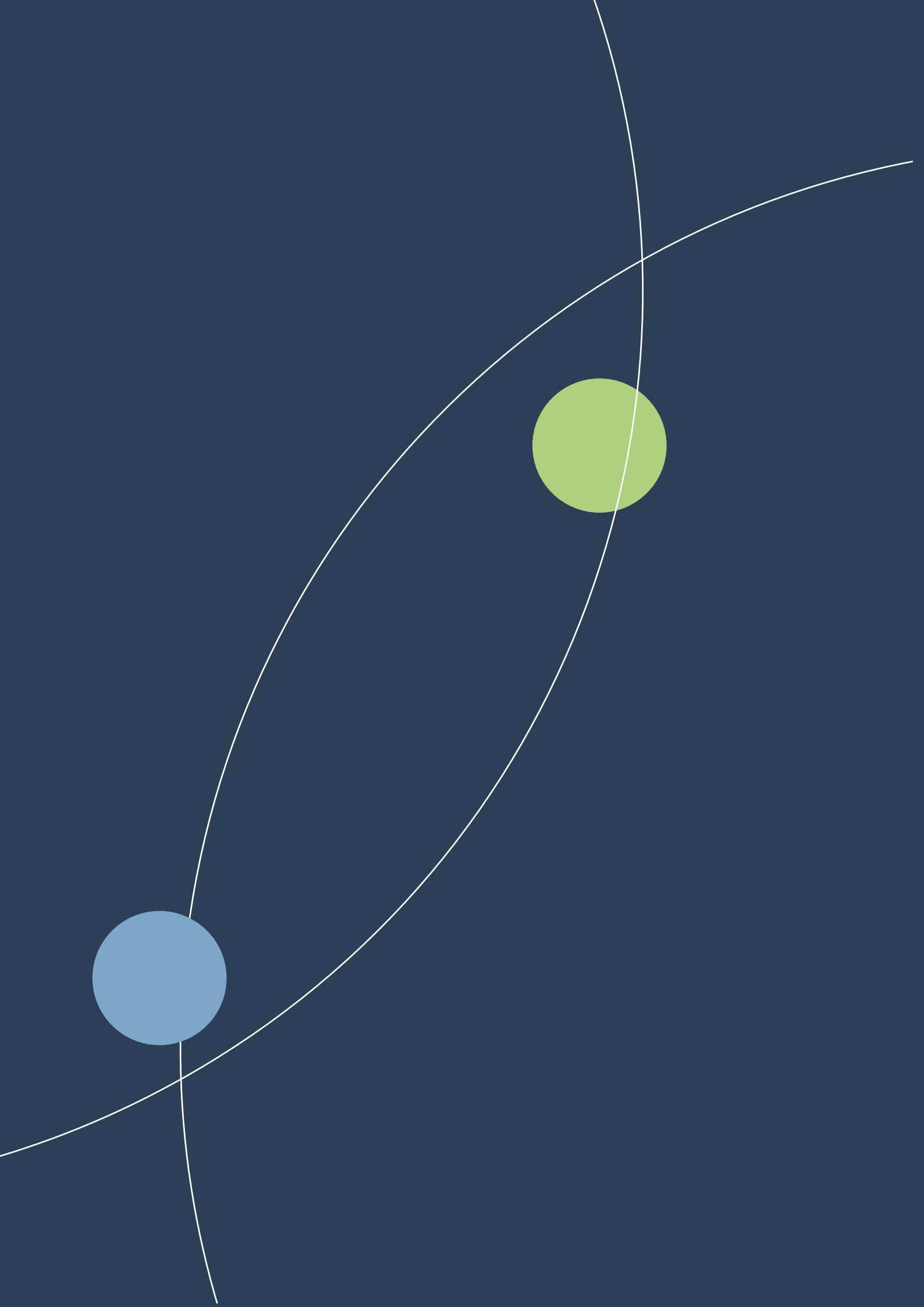
Beyond ACPSEM's internal efforts to promote the science and practice of the physical sciences in medicine, we also work closely with other key organisations to advocate for our common areas of specialty practice and the professions within them.

Key associated organisations include:

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



# Get in touch

## ACPSEM

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Mascot  
NSW 2020  
Australia

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**Fax:** +61 (0) 2 9700 8023

**e:** [enquiries@acpsem.org.au](mailto:enquiries@acpsem.org.au)

**w:** [www.acpsem.org.au](http://www.acpsem.org.au)



**ACPSEM**

Australasian College of Physical  
Scientists & Engineers in Medicine