
Focus Newsletter - July 2021 Edition

ACPSEM President's Words - Kym Rykers



Hello to everyone, wherever you may be, and however you may be working.

COVID-19 continues to challenge all of us and our families to navigate what we need to do and how we can get there. The recent board meeting was due to be a face-to-face meeting in Sydney but was promptly moved to an online platform when it was clear the health risk was too great and the border restrictions might be problematic. The need to pivot quickly and respond to changing priorities is something we all do in our day-to-day work, so hopefully your own ability to reprioritise and problem solve has helped you to support patients, continue research and learn some benefits from working differently.

The ACPSEM head office staff have also had to change the way they are working due to COVID-19 restrictions. Staff are currently working from work, but have the systems and tools in place to continue providing support to our members. For contact information for each individual staff member, please [click here](#).

The College board and the office has been progressing the workforce models for both ROMPs and DIMPs, and I would like to thank all of you who participated in the recent workforce surveys. It is only through your participation and feedback that we can build a robust and meaningful model which can be used to support you and your departments to be appropriately staffed. This work will also be a lever to support the promotion of our profession to Government stakeholders and colleagues, based on current workforce needs and practises.

Given the rapid nature of development in healthcare, this type of review and capture of work will no doubt be needed repeatedly into the future. Scope of practise document creation is also well underway, as is work on formalising regulation of profession. The latter is a very large piece of work which has a high priority within the College in-line with strong member support via responses to survey work undertaken last year.

At a national level, members are also actively involved in the jurisdictional adoption of the ARPANSA Code for Radiation Protection in Medical Exposure (C5), while there are a myriad of [working groups](#), [special interest groups](#) and [specialty groups](#) providing advice

and data to the office and the board to enable our strategic goals of sustainability, education, and supporting our membership to progress.

Again, I would like to encourage everyone to review the [College website](#) and browse the groups to find an area of interest in which to participate - it is a College of members for members. Also, please respond to expressions of interest (EOIs) when they are available as they provide a perfect way to get to work with other members of your profession and those outside your speciality, which will add to your knowledge base and your professional networks.

Lastly, keep an eye out for updates on [EPSM](#), our flagship conference, taking place this November.

Take care, and check in with your colleagues; 2021 continues to be a COVID-19 challenge.

Careers

Building a successful career series



Introducing Dr Peta Lonski!

Dr Peta Lonski has shared a humorous and endearing career profile which shows just how easy it is to get pulled into a career within medical physics - despite all the challenges it offers!

Peta is a Clinical Radiation Oncology Medical Physicist in Melbourne, and has worked at the Peter MacCallum Cancer Centre since her university placement. Peta explains how she enjoys the variety of tasks her job offers, but there's still a need to let off some steam on one of her two bicycles. [Read more](#)

Vacancies

[Medical Physics Specialist](#)

Adelaide, SA | Closing: 18 July

[Medical Physics Specialist](#)

Tamworth, NSW | Closing: 19 July

[Medical Physics Specialist](#)

Canberra, ACT | Closing: 26 July

[Radiation Oncology Medical Physics Specialist](#)

Sydney, NSW | Closing: 26 July

[Medical Physicist](#)

Sydney, NSW | Closing: 30 July

[Medical Physics Specialist](#)

Frankston, VIC | Closing: n/a

All vacancies can be found [here](#).

News and Branch Updates

To keep up-to-date on College news and updates, please visit [our news section](#).

Our respects to Steven Sylvander

It is with sadness we share the news of Steven Sylvander's passing on 21 June 2021. Steve's funeral was held on 6 July and extended to the medical physics community at the wishes of Steve's wife, Wendy.

Steve had been open about his cancer, and despite the advanced warning, his passing still has felt sudden for many of us. Steve was the Director of Medical Physics for Cancer Care Services at RBWH, and

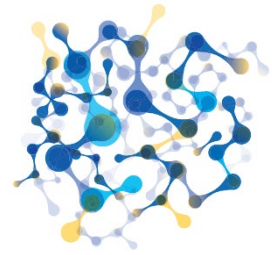


recognised as both an amazing physicist and person who had been important to so many.

[EPSM 2021: Developing Resilience](#)

This year's EPSM theme '*Developing Resilience*'! Our annual flagship conference is the premier annual event for medical physicists, biomedical engineers and radiopharmaceutical scientists in Australia and New Zealand. This year's conference is taking place in person in Brisbane on 7-10 November 2021.

Secure your place at EPSM 2021 with an earlybird registration discount! [Click here to register](#)



[Seeking DIMP TEAP Coordinators](#)

The ACPSEM are seeking two Diagnostic Imaging Medical Physicists to fill 0.2 FTE roles as DIMP TEAP Coordinators. These paid roles provide necessary support to your DIMP colleagues as part of the Training and Education Program (TEAP).

By working closely with medical physicists you help them to study to obtain professional standards, whilst coordinating their training and education to support the Diagnostic Imaging Certification Panel. You also get to contribute to the design of the program and to drive ethical assessment standards.

The ACPSEM will provide extensive training for the right candidate, so don't hesitate to apply. Simply submit your CV and a cover letter to Susie.Zhong@acpsem.org.au by 31 July 2021.



[Radiation Oncology Standards of Practice](#)

The ACPSEM Radiation Oncology Specialty Group will be collating a response on behalf of the College for the Radiation Oncology Alliance: "Radiation Oncology Standards for Practice (v3)". The consultations value input from professionals

If you have any comments for consideration, please contact John Shakeshaft by 11 August. [Read more](#)



[ACPSEM Mentoring Program](#)

After another successful year, the ACPSEM mentoring program has finished its cycle, and connected numerous pairs of mentors and mentees together from the ACPSEM membership community. Thank you to everyone who was involved in this year's cycle for their support, commitment and time.

This year's ACPSEM Mentoring Program was launched on a new virtual and resource driven platform to facilitate a pandemic-led shift to online solutions. This reduced the need for mentors and mentees to be located in the same place, and to continue their meetings throughout COVID-19.

Please keep your eyes peeled for information on the next cycle.



ACPSEM MRSE Certifications

The ACPSEM MR Safety Assessment Panel (MRSAP) met on 29 June to discuss progress and the final steps of the inaugural ACPSEM MR Safety Expert (MRSE) online course. Members who successfully completed the course received a certification as an ACPSEM MR Safety Expert (MRSE) - the first MRSE certifications in Australia and New Zealand. Well done to all successful participants on this landmark achievement, and for the panel of experts for their guidance.



ACPSEM VIC/TAS branch virtual social

On 5 June the ACPSEM VIC/TAS branch held a virtual social event to support each other during the Victorian lockdown. Branch members were invited to take part in a quiz held on Zoom hosted by branch chair Clem Conheady. The social was enjoyed by attendees, and Clem has kindly offered to host the quiz again - the ACPSEM NSW/ACT branch might want to take note!



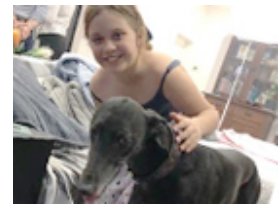
ACPSEM QLD branch webinar summary

The ACPSEM QLD branch hosted a webinar on 18 May by Dr Andreas Fouras, 4DMedical, on an exciting presentation detailing the 4D x-ray velocimetry technology developed by 4DMedical. The talk discussed the origins of the technology from the fluid dynamics field, the clinical relevance to diagnostic imaging and the details of the computational algorithm. A Q&A session followed to an audience of nearly 100 people. The recording is available on Comet for branch members.



ACPSEM SA/NT branch virtual social

On 2 May the ACPSEM SA/NT branch held their annual social event with almost 40 attendees including members, their partners, children and dogs. The branch thank all attendees, and are looking forward to planning an even bigger event next year. *Photo: Chris Colyer's daughter and doggo friend at the social event.



ACPSEM NSW/ACT Branch - update

The ACPSEM NSW/ACT branch has been busy hosting webinars on the following topics:

- *Cardiac radioablation: An introduction, an overview, and how medical physicists could shape its future* - Suzy Lydiard
- *Why kilovoltage x-ray beam therapy and dosimetry are still important for clinical radiotherapy and research* - Dr Robin Hill
- *MLC Tracking: Clinical rationale, clinical experience, guidelines and future directions* - Prof Paul Keall



Event attendance has been pleasing, attracting about 100 participants at each event, and presentation quality has been of a high standard with very positive feedback. The branch wishes to thank the presenters and attendees. [Read more](#)

The branch are also seeking expressions of interest for the EPSM 2022 convenor and organising committee members, in addition to the MedPhys21 organising committee. Branch members should check their emails for further information on these positions and how to apply.

[Cells Treated by Electroporation](#)

The Better Healthcare Technology Foundation has published an article on cells treated by electroporation. When an electric field is applied to living cells, their membrane suffers electrical stretch forces, and depending on the amplitude and duration of the electric field, the cell shape is deformed. This deformity could lead to a membrane breakdown. The article questions if this method could also 'kill' cancer cells. [Read more](#)



[Paediatric chest phantom for CT examinations](#)

Seonaid Rodgers has posted an article on the Better Healthcare Technology Foundation about paediatric imaging protocols and how they can be carefully optimised to maintain desired image quality for the delivered radiation dose. The article explains that to do this, a specially designed paediatric chest phantom has been constructed to optimise CT chest examinations for infants. [Read more](#)



[AFOMP newsletter - June 2021](#)

The Asia-Oceania Federation of Organizations for Medical Physics (AFOMP) has released their June 2021 Vol 13 No. 2 newsletter. This issue looks at IMPW2021 celebrations, medical physicists during the COVID-19 pandemic, and more. [Read more](#)



Members

[APSIG achievements over the first 10 years](#)

Congratulations to ACPSEM Members Simon Downes and Anna Ralston for their article on "*Australian College of Physical Scientists and Engineers in Medicine Asia-Pacific Special Interest Group: The first ten years*". This article looks at the on-going support APSIG have provided to radiation oncology services in the Asia-Pacific region. Through volunteer assignments, supporting medical physics staff, improving radiotherapy technology access and treatment knowledge sharing, APSIG and the BHT Foundation promote much-needed quality health care. [Read more](#)



[4DCBCT in less time with less dose](#)

Congratulations to ACPSEM Member Prof Paul Keall and colleagues for writing an article on "*The first-in-human implementation of adaptive 4D cone beam CT for lung cancer radiotherapy: 4DCBCT in less time with less dose*". This article looks at how adaptive 4DCBCT imaging has been clinically implemented for lung cancer radiotherapy patients for the first time, the potential to substantially reduce 4DCBCT scan times and imaging dose, and produced with better image reconstruction results. [Read more](#)



[Using artificial intelligence to develop QIBs of tumour function](#)

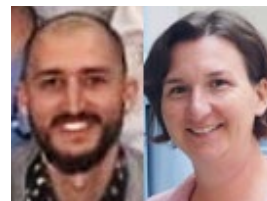
Congratulations to ACPSEM Members Dr Sirisha Tadimalla, A/Prof Lois Holloway, Prof Annette Haworth and colleagues for their article on "*Artificial intelligence and imaging biomarkers for prostate radiation therapy during and after treatment*". This article looks at using artificial



intelligence to identify complex data to develop quantitative imaging biomarkers (QIBs) of tumour function and biology. [Read more](#)

[Colleges unite to implement linac-based treatment in Mongolia](#)

Congratulations to ACPSEM Members Abdurrahman Ceylan and Nikki Shelton and colleagues for their article on "*Implementation of 3D conformal radiotherapy technology at the National Cancer Centre Mongolia: A successful Asia-Pacific collaborative initiative*". Colleges and societies will aim to continue a collaborative effort on education, practical training in radiotherapy planning and delivery regarding the implementation of 3D conformal radiotherapy technology. [Read more](#)



[A novel way to determine isocenter position and size](#)

Congratulations to ACPSEM Members Jacek Chojnowski, Dr Jonathan Sykes and Prof David Thwaites for their article on "*A novel method to determine linac mechanical isocenter position and size and examples of specific QA applications*". This article presents a new method for determining the mechanical isocenter position and size. [Read more](#)



Additionally, congratulations to the team for a scientific note on the topic of "*Towards zero radiation isocentre size: minimising radiation beam isocentricity on Elekta linear accelerators by means of optimising look-up tables*". This study aims to investigate if it is possible to eliminate the beam deviations on Elekta linear accelerators. [Read more](#)

[ACPSEM members pose debate on kV therapy](#)

Congratulations to ACPSEM Members Dr Robin Hill, Prof Clive Baldock and colleague Dr David Eaton for posing a topical debate on "*Kilovoltage therapy is well and truly alive and needed in a modern radiotherapy centre*". This debate poses a proposition and opposition regarding the role for kilovoltage X-rays in radiotherapy centres. [Read more](#)



[Prof Clive Baldock moderates debate on ultrasound in radiotherapy](#)

Congratulations to ACPSEM Member Prof Clive Baldock and colleagues Dr Emma Harris and Dr Davide Fontanarosa for posing a topical debate on "*In the future, ultrasound guidance in radiotherapy will become a clinical standard*". This debate poses a proposition and opposition on whether ultrasound guidance in radiotherapy will become a clinical standard in the future. [Read more](#)



[Thomas Milan talks on ion chambers and reference dosimetry](#)

Congratulations to ACPSEM Member Thomas Milan for providing an insightful tutorial presentation on "*Ion Chambers and Reference Dosimetry*" last year. [Watch the video](#)



[Delivering training opportunities to ROMP TEAP registrars](#)

Congratulations to ACPSEM Members Natalie Clements, Ciara Mac Nally, Rebecca Moylan and David Waterhouse for their professional perspective on "*A collaborative approach to ROMP TEAP registrar training*". This perspective considers the College's responsibility in administering the



pathway to certification for ROMP registrars, and a move to a collaborative approach to delivering training opportunities. [Read more](#)

[Evaluating radiation doses when using hand-held units](#)

Congratulations to ACPSEM Members Justin Leadbeatter and Dr Jennifer Diffey for their scientific paper on "Evaluation of radiation exposure to operators of portable hand-held dental X-ray units". This paper looks at the portability advantage of hand-held units whilst also considering radiation safety concerns due to the operator's proximity to the unit. [Read more](#)



[Dr Michael Douglass reviews respected book](#)

Congratulations to ACPSEM Member Dr Michael Douglass for writing a book review on "Johns and Cunningham's The Physics of Radiology, Fifth edition by Eva Bezak, Alun Beddoe, Loredana Marcu, Martin Ebert, Roger Price". This respected book presents new ideas and information, and accurately reflects the inevitably changing perspectives and rapid developments in radiological physics. [Read more](#)



[Investigating alternative ways to obtain data via CT scan](#)

Congratulations to ACPSEM Members Corey Bridger, Dr Michael Douglass, Dr Paul Reich and Dr Alexandre Caraça Santos for their scientific paper on "Evaluation of camera settings for photogrammetric reconstruction of humanoid phantoms for EBRT bolus and HDR surface brachytherapy applications". This paper investigates whether an alternative approach to the fabrication of brachytherapy surface moulds using photogrammetry techniques can improve data obtained via CT scan. [Read more](#)



[Patient specific quality assurance at 4 revolutions per minute](#)

Congratulations to ACPSEM Members Trent Aland, Talia Jarema, Dr Jamie Trapp and A/Prof Tanya Kairn for their scientific note on "Patient-specific quality assurance on a Varian Halcyon linear accelerator using a PTW Octavius 4D device". This study investigates and validates the use of the Octavius 4D system for patient specific quality assurance on Halcyon at 4 RPM. [Read more](#)



[Making single TB-PET scanning one step closer](#)

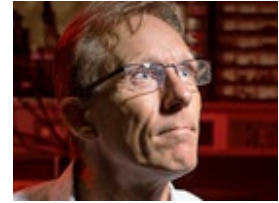
Congratulations to ACPSEM Members Prof Dale Bailey and Prof Steven Meikle for presenting at the Kolling Institute on the topic of "Total Body PET: A national initiative at Royal North Shore". This presentation considered the ability to perform functional imaging of all the tissues and organs for the human body in a single scan, being one step closer in Australia with its first Total Body Positron Emission Tomography scanner.

Prof Bailey and Prof Meikle also collaborated with Stanford University to present on "Advances in Imaging Chronic Pain". Thanks to both!



[Prof Peter Metcalfe reviews medical physics book](#)

Congratulations to ACPSEM Member Prof Peter Metcalfe for writing a book review on "*The Modern Technology of Radiation Oncology—a Compendium for Medical Physicists and Radiation Oncologists (Volume 4) edited by Jacob Van Dyk*". This respected book provides up-to-date information on state-of-the-art technologies available within the radiation oncology clinic. [Read more](#)



[Reviewing dosimetric impact of implementation of MBDCAs](#)

Congratulations to ACPSEM Member Dr Yousif Yousif and colleagues for writing a review paper on "*A review of dosimetric impact of implementation of model-based dose calculation algorithms (MBDCAs) for HDR brachytherapy*". This article reviews the MBDCAs for HDR brachytherapy from a dosimetric perspective, and discusses the current status and challenges of implementation of MBDCAs. [Read more](#)



[Replacing wax stents with 3D prints for flexible phantoms](#)

Congratulations to ACPSEM Members A/Prof Scott Crowe, Samuel Peet, Dr Jamie Trapp, A/Prof Tanya Kairn and colleagues for their scientific note on "*Dosimetric evaluation of a patient-specific 3D-printed oral positioning stent for head-and-neck radiotherapy*". This study investigates and demonstrates the use of a 3D printing technique as an alternative to creating wax oral positioning stents. [Read more](#)



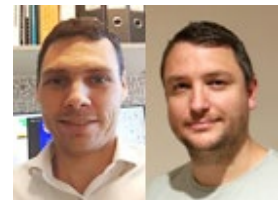
[The importance of nuclear medicine in fighting cancer](#)

Congratulations to ACPSEM Member Prof Dale Bailey for taking part in ANSTO's "*Ask us anything - Nuclear medicine and your health*" virtual event. Prof Bailey and colleagues discussed theranostics and how they can diagnose and treat tumours in one, and other innovations in this area. The event highlighted key nuclear medicines, major research developments in this medical area, and how Australia is playing a significant part in the global fight against cancer and heart disease.



[ACPSEM members investigate Elekta AQUA software](#)

Congratulations to ACPSEM Members Craig Norvill, Simon Goodall, Patrick Blumenberg and colleague for their scientific paper on "*Investigation of Elekta AQUA software for kilovoltage to megavoltage radiation isocenter coincidence*". This paper investigates the Elekta AQUA v2.02 software as a tool for verification of kilovoltage to megavoltage gantry radiation isocenter coincidence. [Read more](#)



[Developing a system to improve SBRT delivery accuracy](#)

Congratulations to ACPSEM Members Dr Sankar Arumugam, A/Prof Lois Holloway and colleagues for their scientific paper on "*The first real-time intrafraction target position monitoring in pancreas SBRT on an Elekta linear accelerator*". This paper looks at developing a system to improve the safety and accuracy of SBRT delivery. [Read more](#)



[MRI vs CT for patient position and target volumes](#)

Congratulations to ACPSEM Member A/Prof Lois Holloway and colleagues for writing an article on "*The effect of imaging modality (magnetic resonance imaging vs. computed tomography) and patient position (supine vs. prone) on target and organ at risk doses in partial breast irradiation*". This article evaluates the impact of imaging modality and patient positioning on planning target volumes and organs at risk for partial breast irradiation. [Read more](#)



[The importance of nuclear medicine in fighting cancer](#)

Congratulations to ACPSEM Member Prof Dale Bailey for taking part in ANSTO's "Ask us anything - Nuclear medicine and your health" virtual event. Prof Bailey and colleagues discussed theranostics and how they can diagnose and treat tumours in one, and other innovations in this area. The event highlighted key nuclear medicines, major research developments in this medical area, and how Australia is playing a significant part in the global fight against cancer and heart disease.



[Calculating calibration for nuclear medicine ionisation](#)

Congratulations to ACPSEM Members Cameron Pain, Dr Graeme O'Keefe and colleague for their research article on "*Monte Carlo calculated calibration settings for commercially available nuclear medicine ionisation chambers*". This article looks at the development and validation of calculating NMIC calibration settings against HPGe detector spectroscopy. [Read more](#)



[Reviewing techniques and literature of injured young children](#)

Congratulations to ACPSEM Members Michael Lawson, Prof Peter Metcalfe, Dr Mohamed Badawy and colleagues for their review article on "*A review of current imaging techniques used for the detection of occult bony fractures in young children suspected of sustaining non-accidental injury*". This article reviews current literature regarding fracture detectability and radiation dose burden of imaging modalities currently used for the assessment of occult bony injury in children. [Read more](#)



[Prof Dale Bailey: Interviews with Famous Physicists](#)

Congratulations to ACPSEM Member Prof Dale Bailey for being interviewed by high school physics student Hugo Currie as part of his series "*Interviews with Famous Physicists*". Hugo interviews inspirational physicists to inspire the next generation of physicists. Thanks to Prof Bailey for his time and words for wisdom! [See the interview](#)



[Updates from the ACPSEM office](#)

Congratulations to our members who have been awarded certifications, registrar status, and have entered TEAP and onto the Qualified Medical Physicist and Radiopharmaceutical Scientist Register. [Read more](#)



[ACPSEM SA/NT branch - Scientific Webinar: Facility Design and Shielding for Proton Radiotherapy](#)

19 July 2021, 1-2pm ACST, online

The ACPSEM SA/NT branch is hosting a scientific webinar on Facility Design and Shielding for Proton Radiotherapy. Attendees will learn and have an appreciation of basic proton physics, physical requirements for shielding a proton radiotherapy machine, shielding recommendations, proton radiotherapy facility design, and more. [Book now](#)



[ACPSEM NSW/ACT branch - webinar](#)

20 July 2021, 1.30pm AEST, online

The ACPSEM NSW/ACT branch is organising a webinar on 'Clinical rationale, clinical experience, guidelines and future directions' by Prof Paul Keall. Relevant to this presentation, Prof Keall led the recently published American Association of Physicists in Medicine Task Group report #264: The Safe Clinical Implementation of MLC Tracking in Radiotherapy. [Book now](#)



[ACPSEM VIC/TAS branch - student presentations and prizes](#)

29 July 2021, 2-4pm AEST, online

The ACPSEM VIC/TAS branch is organising a student presentation and prizes seminar on 29 July. The event will be held virtually is open to all branch members. [Book now](#)



Abstract and assessment: Please email a short abstract to victasbranchchair@acpsem.org.au by **Friday 16 July**. A maximum of eight presentations will be selected, and authors of accepted abstracts for oral presentations will be given 15 minutes to presents.

[MIRSIG: IGRT & Liver Dose](#)

3 August 2021, 12-1pm AEST, online

The ACPSEM Medical Image Registration Special Interest Group (MIRSIG) are hosting online talks on the following topics:



- *Current practice in IGRT and assessing for the need of replans* - Kylie Miller
- *Liver Dose Accumulation with/without contrast images* - Caitlin Allen

MIRSIG is formed of medical physicists and radiation therapists with a keen interest in all aspects of image registration and the integral part it plays within radiation oncology. This seminar is part of their lunchtime series of webinars. [Book now](#)

[ACPSEM VIC/TAS branch - Scientific Webinar: Patient Document eXchange \(PDX\)](#)

19 August 2021, 1.30-2.30pm AEST, online

The ACPSEM VIC/TAS branch is hosting a scientific webinar on Patient Document eXchange (PDX), presented on behalf of the Victorian Patient eXchange committee. With improved solutions in mind, the Victorian Public Sector radiotherapy providers have secured funding for a cloud-based platform for efficient data exchange and collaboration. This seminar presents the journey from an initial idea to a working solution, and the first 12 months experiencing the platform. [Book now](#)



[MIRSIG: SIFT & Brachytherapy Image Registration](#)

7 September 2021, 12-1pm AEST, online

The ACPSEM Medical Image Registration Special Interest Group (MIRSIG) are hosting online talks on the following topics:

- *SIFT* - Alex Quinn
- *Brachytherapy Image Registration* - Joel Poder

[Book now](#)



[MIRSIG: Deformable Phantom & Lung Radiotherapy](#)

5 October 2021, 12-1pm AEST, online

The ACPSEM Medical Image Registration Special Interest Group (MIRSIG) are hosting online talks on the following topics:

- *Development of Deformable Phantom to Validate Dose Accumulation in Low-contrast Areas* - Okan
- *Validation Framework to assess DIR performance in Lung Radiotherapy* - Adam Yeo/Kartik

[Book now](#)



[ACPSEM-ESTRO Physics Workshop](#)

22-23 October 2021, location tbc

ESTRO are hosting a physics workshop in October. The workshops cover Deformable Image Registration (DIR), FLASH, SBRT Planning, CT Innovations and Data Mining. The *Commissioning and QA for Deformable Image Registration in RT* workshop is co-sponsored by the ACPSEM and chaired by ACPSEM member Dr Michael Jameson. [Read more](#)



[MIRSIG: Ethos/Adaptive Radiotherapy](#)

2 November 2021, 12-1pm AEST, online

The ACPSEM Medical Image Registration Special Interest Group (MIRSIG) are an hosting online talk on the following topic:

- *Ethos / Adaptive radiotherapy* - Ben Archibald-Heeran

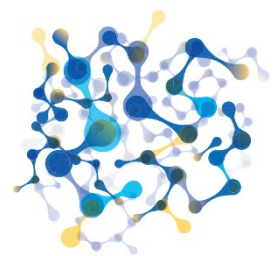
[Book now](#)



[EPSM 2021 - save the date!](#)

7-10 November 2021, Brisbane QLD

Our flagship conference, EPSM 2021 - the Engineering & Physical Sciences in Medicine Conference - is planned to go ahead face-to-face in Brisbane, QLD, this November. EPSM is the premier annual event for medical physicists, biomedical engineers and radiopharmaceutical scientists in Australia and New Zealand - make sure it's in your diary! [Read more](#)



External Events

[Varian Australasian Oncology Summit 2021](#)

13-14 August 2021, Gold Coast, QLD/online

Join Varian at their Australasian Oncology Summit 2021 on 13-14 August, 9:00-17:00 AEST, where Varian's clinical partners will be presenting emerging oncology technologies and trends. The event will be a hybrid of face-to-face presentations and workshops, and a virtual experience too. [Register here](#)

n.b. this an ACPSEM CPD endorsed activity.



[AIP Summer Meeting](#)

6-9 December 2021, Brisbane, QLD

The Australian Institute of Physics is running the 2021 Summer Meeting on 6-9 December at Queensland University of Technology (QUT). Targeted at Australian-based professional academics, post-doctoral researchers and PhD students, this congress covers a range of physics-related topics. ACPSEM Member and PESM Editor A/Prof Jamie Trapp also sits on the programme committee. [Register here](#)



[AOCMP - Science for Radiation Medicine](#)

10-12 December 2021, Bangladesh

The 21st Asia-Oceania Congress of Medical Physics is on the topic of Science for Radiation Medicine. This year's congress is being organised by the Bangladesh Medical Physics Society (BMPS) and supported by AFOMP and IOMP. [Register here](#) for earlybird prices and to submit an abstract (deadline 31 August)



[MMND-ITRO 2022](#)

14-20 February 2021, Noosa, QLD

The Centre for Medical Radiation Physics, in collaboration with Memorial Sloan Kettering Cancer Centre (MSKCC) USA, is hosting the international conferences of Mini- Macro - Nano- Dosimetry (MMND 2022) in conjunction with Innovation Technologies in Radiation Oncology (ITRO 2022). [Register here](#)

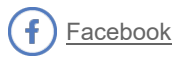
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Tell us what you and your colleagues have done recently. Please contribute by emailing Kath at communications@acpsem.org.au

- Awards and achievements
- Events and activities
- Published articles, reviews, scientific notes, debates and feedback
- Pictures and videos

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