

Education, research and accreditation

- What is a radiation professional?
- Where is the next generation of radiation professionals?
- Are we in a professional crisis – if so, why?
- What is our global responsibility?
- What is the status of ARPAB and what can it do for me?
- What are we doing about shaping the future?
- What research is being done – or should be done? Is there a gap?
- How are the new education programs going? Is there an education gap? (e.g. where do people obtain specialist NIR knowledge or nuclear industry knowledge)
- What can we learn from other professional societies (e.g. AIOH, AIP, RACI, SPERA)
- What's a radiochemist? (environmental and medical)
- Are we adequately diverse in our profession? Do we need to become more diverse?

Horizon scan

- Work undertaken by IRPA task groups
- Work undertaken by ICRP task groups
- Work undertaken by NIR-equivalent bodies
- Future development of the nuclear industry in Australia, and the associated radiation protection challenges
- Future development of the rare earth industry in Australia, and the associated radiation protection challenges
- Future developments associated with non-ionising radiation
- Status of the national radioactive waste store – where to from here?
- Technological advancements in radiation equipment and resultant challenges for the radiation protection professional (e.g. collagen beds, cosmetic use of RF, ultrasound, hybrid devices etc)

Space radiation

- What are the future opportunities in space (e.g. asteroid mining, adventure travel, research etc)?
- What are the unique challenges of radiation protection in space? How can we address those challenges? Do we have the current capability?
- How can we become more involved?

Public perception

- What do the public want from us?
- Are we simply stating facts, rather than listening to what is needed?
- Are we properly acknowledging and understanding other people's culture, and how what we say and do impacts them, in particular, the First Nations people?
- What do our First Nations think of us, as radiation professionals?
- How can we work holistically with the First Nations people and to the satisfaction of all affected parties?
- What is proper consultation?
- How do we align what is considered reasonable and justified in both the eyes of radiation professionals and the public?
- Are we caring for our Country?

Radiation protection culture

- A report on the IRPA document – Guiding principles for establishing a radiation protection culture
- Behaviour of regulated entities – is it improving in certain sectors?
- Challenges and solutions in driving behaviour or cultural changes
- Communicating radiation risk
- Culture of reporting (or lack thereof)

Instrumentation and system development

- Monitoring methodology and strategy
- Artificial intelligence and machine learning
- What's new in the radiation detection world
- 3D printing – not just for fun

Future developments – system of radiological protection

- enHealth's work around national uniformity
- Status of action to be taken following the IAEA's audit on Australia's regulatory system
- Development of new codes, standards and guidelines
- ICRP task groups
- Implementation issues with the national planned exposure code
- Work undertaken by the IRPA task groups
- Pragmatism versus precision

Existing exposure situations

- Environmental radiation protection challenges – and solutions
- Legacy sites of radioactive contamination – are we coming to an end point?

User group – medical sector

- Technological advancements in radiation equipment and resultant challenges for the radiation protection professional (e.g. hybrid devices, theranostics etc)
- Computing advancements
- The evolving role of the radiation protection practitioner
- The different safety models in the industry
- Common drivers of radiation-related incidents
- Regulatory challenges
- Discussion forum where people ask open floor questions – eg I have this problem. Now solve. Maybe pre-ask.

User group – non-medical sector

- Technological advancements in radiation equipment and resultant challenges for the radiation protection professional (e.g. collagen beds, cosmetic use of RF and ultrasound, hybrid devices etc)
- The evolving role of the radiation protection practitioner
- The different safety models in the industry
- Common drivers of radiation-related incidents
- Regulatory challenges
- Discussion forum so people can ask open floor type questions – eg I have this problem. Now solve. Maybe pre-ask.

Radiation safety and protection – general public and environment

- Who is responsible for ensuring public are protected – and what is reasonable?
- Technology is good – or is it? (e.g. are we considering all ecological impacts?)
- Are we good global citizens?

Early career presenters/AOCR student 'collaboration' session

- Open to whatever they want to cover about anything to do with radiation.
- Let's see what they have got, and if they have applied the science to radiation protection!
- AOCR student 'collaboration' session