



AUSTRALASIAN RADIATION PROTECTION SOCIETY INC.

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ABN 52 140 741 862

IRPA Executive Council

10 January 2020

Statement of Motivation for Nomination to IRPA Executive Council

I wish to express my desire to be considered for a position on the IRPA Executive Council to be decided at the General Assembly held during IRPA15 in Seoul, Korea.

I have more than 20 years of experience working in Radiation Protection, after completing a Masters on NORM in mineral sand processing. I started my career as a Radiation Protection Officer at Olympic Dam Operations, which is a uranium mine and mineral processing site. This was a research role concerned with improving monitoring of radiation, optimising worker exposure and better understanding sources of radiation at the site. I moved into regulatory after my time at Olympic Dam. These roles covered a wide range of industries involved in using radiation in New South Wales, as well as regulation of uranium mining, environmental radioactivity and legacy sites in South Australia. In 2010, I took a radiation safety position in medicine at a large tertiary care hospital.

My experience has given me an opportunity to implement radiation protection principles and practices in a wide range of workplaces. I am passionate about understanding how we implement the System for Radiological Protection in a practical way that is appropriate to the risk. This includes incorporating a greater understanding of risk into the application of radiation protection regulations. Radiation Protection associations have a role in helping to develop practice solutions for our members to use. We have a role to bring together industry, regulators and the public to develop a common understand, from a neutral position to allow the best possible use of resources relative to radiation risk.

I'm keen to contribute to IRPA to help develop resources for Associate Societies and their members, to support and develop new professionals and to expand our profession.

Thank you for considering my interest in contributing to the profession.

Yours sincerely,

Cameron Jeffries
Member, Australasian Radiation Protection Society
(Associate Member HPS)



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Dr Roger Coates OBE
President
International Radiation Protection Association

14 January 2020

Dear Dr Coates

Nomination for IRPA Executive Council at IRPA15 General Assembly

I am pleased to advise that the Australasian Radiation Protection Society, which is part of the Asia and Oceania region, wishes to nominate Mr Cameron Jeffries for selection to the IRPA Executive Council to be determined at the General Assembly of IRPA15 in Seoul, South Korea.

Mr Jeffries is a long standing member of the ARPS Executive Committee, a past President of ARPS and was the Editor of our Journal, Radiation Protection in Australasia for many years. He has radiation protection experience in NORM, environmental radioactivity, uranium mining and milling and medicine. He has gained this experience working in industry and with a regulatory agency. He was an official delegate to the General Assembly at IRPA14, and is the current Secretary General of the Asian and Oceanic Association for Radiation Protection. He has been involved with IRPA Task Group on implementation of eye lens dose limits. He is a corresponding member of the IRPA15 Program Committee. Mr Jeffries was the Chair of the local organising committee for the 5th ICRP Symposium held in Adelaide, Australian in 2019. He is a member of the Australasian Radiation Protection Accreditation Board.

Mr Jeffries is interested in expanding the role of IRPA, and Associate Societies, to provide a voice for members in the development and application of the radiation protection to our work areas. He is keen to develop and support the young generations entering the radiation protection profession. He believes this is best achieved by support provided by Associate Societies and expanding the role of IRPA.

On behalf of ARPS I am delighted to nominate Mr Jeffries for IRPA Executive Council as he is prepared to contribute to IRPA's work.

Yours sincerely,

Brent Rogers
President
Australasian Radiation Protection Society



Cameron Jeffries
Australasian Radiation Protection Society

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PROFILE

- Radiation Protection Specialist with over 20 years' experience with radiation protection in medicine, mining and mineral processing, NORM and radiation safety regulation (SA and NSW).
- Skill Sets Include:
 - Comprehensive knowledge of Radiation Safety Legislation, Regulations and Guidelines
 - Radiation Protection Principles and Practices
 - Operational Radiation Protection
 - Training and Education, Risk communication with workers, patient and the public
 - Knowledge and experience in Occupational Hygiene Science

PROFESSIONAL EXPERIENCE

SA Medical Imaging, Flinders Medical Centre, Adelaide **2018 – present**
Senior Medical Physicist, Radiation Safety Officer

- Responsible for radiation protection in a large tertiary care hospital.
- Provide advice and support to the Southern Adelaide Local Health Network

Global Medical Solutions **2017 – Present**
Consultant Radiation Safety Officer

- Radiation protection and compliance advice for radiopharmaceutical manufacturing in multiple Australian jurisdictions.

St Vincent's Hospital, Sydney **2010 – 2018**
Radiation and Laser Safety Officer

- Responsible for management of the Radiation and Laser Safety program across the hospital, including nuclear medicine, radiation oncology, radiology and cardiology.
- Secretary of the Radiation and Laser Safety Committee.
- Duties included compliance and audit, assessment of staff and patient dose, radiation protection advice to staff, patients and the public.

Environment Protection Authority, South Australia **2003 – 2010**
Scientist, Radiation Protection Division

- Regulation of mining and mineral processing operations, legacy sites, disposal of radioactive materials, NORM and contaminated sites under the South Australian Radiation Protection and Control Act.
- Evaluation of compliance with legislation, and registration or licence conditions.
- Assessment of the hazards from radioactive materials in the environment.
- Contribute to development of legislation and standards.

**Environment Protection Authority, NSW
Radiation Operations Officer**

2002 – 2003

- Regulation of the use of radiation in industry and medicine

**WMC Olympic Dam
Radiation Protection Officer**

1999 – 2002

- Responsible for improving radiation monitoring and safety, WHS monitoring and contributing to regulatory reporting at the Olympic Dam mine and processing plant.
- Research project work to characterise radiation sources on site.

PROFESSIONAL ACTIVITIES

- Board member Australasian Radiation Protection Accreditation Board
- Editorial Board member - Journal for Radiation Protection and Research
- Member of NSW Radiation Advisory Council 2014 - present
- Corresponding member of the International Program Committee for the 15th Congress of the International Radiation Protection Association
- Chair local organising committee, 5th International Symposium on the System of Radiological Protection
- Chair local organising committee, 5th Asia and Oceanic IRPA Regional Congress on Radiation Protection
- Member Australian Institute of Physics, Australasian Radiation Protection Society and Australasian College of Physical Scientist and Engineers in Medicine
- President of the Australasian Radiation Protection Society (ARPS) 2015 - 2017
- Editor – Radiation Protection in Australasia 2003 – 2013

PUBLICATIONS

Jeffries, Cameron, Freeman, Nigel, Nasreen, Fatema, Stathopoulos, Con, Rutkowski, Stephen, & Toomey, Stephen. *Shielding assessment and radiation exposure adjacent to a linear accelerator treatment bunker with a highlight window*. **Radiation Protection in Australasia**, 33(1), 17-23, (2016)

Cameron Jeffries, Riaz Akber, Andrew Johnston, Brad Cassels, *Regulation of naturally occurring radioactive materials in Australia*, **Radiation Protection Dosimetry**, Volume 146, Issue 1-3, July 2011, Pages 174–177

Jeffries, Cameron *Radiological exposure due to radioactivity carrying aerosols in a mineral sand processing plant*. Masters by Research thesis, Queensland University of Technology. (2002)

Akber, R, Jeffries C & Dhamasiri J, *Rn-222 emission due to mining and milling activities at WMC Olympic Dam Operations*, Western Mining Corporation, Olympic Dam SA (2001).

Jeffries, C, and Morawska, L. *Characterisation of radioactivity carrying aerosol in a mineral sand processing plant*. SPERA Conference, Christchurch, (1998)

Morawska, L, and Jeffries, C, *Distribution of Radium in Mineral Sand Grains and its Potential Effect on Radon Emanation*, **Radiation Protection Dosimetry** 56(1-4):199-200, December 1994

Book Chapters, Reports, Codes of Practice and Safety Guides

Radiation safety in the cardiac catheterisation laboratory, In book: **Interventional Cardiology and Cardiac Catheterisation**, April 2019

Review of environmental impacts of the acid in-situ leach uranium mining process: Implementation of recommendations, Environment Protection Authority, South Australia, 26 September 2006

QUALIFICATIONS

Certification in Ionising Radiation Safety

Australasian Radiation Protection Accreditation Board

Master of Applied Science (Research)

Queensland University of Technology

Graduate Certificate in Industrial Hygiene Science

Deakin University

Postgraduate Diploma in Science (Physics)

University of Queensland

Bachelor of Applied Science

Queensland University of Technology