SUNDAY 17 NOVEMBER 2019

1500-1600 **ARPS ANNUAL GENERAL MEETING**
All ARPS Members Welcome

1700-1830 **Registration Desk Open**

1800-2000 **JOINT ICRP SYMPOSIUM & ARPS FORUM WELCOME RECEPTION**
Foyer A-B, Adelaide Convention Centre

Please note, the Welcome Reception is included in the cost of a full registration.
Additional tickets may be purchased at a cost of $85 per person
MONDAY 18 NOVEMBER 2019

SESSION 1 - OPENING PLENARY

Chair/s: Jim Hondros, Cameron Jeffries

0730-1700 Registration Desk Open

0830-0840 WELCOME FROM ARPS AND OPENING REMARKS

0840-0850 Dr Carl-Magnus Larsson, ARPANSA (Australia)

0850-0900 REFLECTIONS ON ICRP 2017
Jean-Christophe Niel, Director General of IRSN

0900-0910 WELCOME FROM ICRP AND INTRODUCTION OF THE 2019 AWARDSEE OF THE BO LINDELL MEDAL FOR THE PROMOTION OF RADIOLOGICAL PROTECTION
Dr Claire Cousins, ICRP Chair

0910-0945 BO LINDELL MEDAL FOR THE PROMOTION OF RADIOLOGICAL PROTECTION RECIPIENT
INTERDISCIPLINARY RADIATION PROTECTION RESEARCH IN SUPPORT OF MEDICAL USES OF IONISING RADIATION
Dr Elizabeth Ainsbury, Principal Radiation Protection Scientist and Cytogenetics Group Leader at Public Health England’s (PHE) Centre for Radiation (United Kingdom)

0950-1030 BOYCE WORTHLEY ORATION
A CONTROVERSY THAT NEEDS TO BE RESOLVED
Don Higson (Australia)

1030-1100 Morning Refreshments, Trade Exhibition & Poster Display

1100-1115 SESSION 2.1
FUTURE CHALLENGES

Chair/s: Peter Thomas

LOW DOSE RADIATION-SCIENCE, POLICY, AND PUBLIC OPINION
Charlotte Sanders, World Nuclear Association (United Kingdom)

CAVE RADON EXPOSURE, DOSE, DYNAMICS, AND MITIGATION
Chris Waring, ANSTO (Australia)

DUNIT IS AN EFFECTIVE RADIOPROTECTOR OF NORMAL TISSUES FROM SHORT- AND LONG-TERM RADIATION-INDUCED DAMAGE WHILE RADIOSENSITISING PROSTATE TUMOUR TISSUE
Pamela Sykes, Flinders University (Australia)

1115-1130 ALL SOLID CANCER INCIDENCE AND MORTALITY DOSE-RESPONSE IN THE LIFE SPAN STUDY OF ATOMIC BOMB SURVIVORS
Alina Brenner, Radiation Research Effects Foundation (United States)

RADON DISTRIBUTION AND APPRAISAL OF ITS RADIATION DOSE IN THE GROUNDWATER OF A SMALL TROPICAL RIVER BASIN, KERALA, INDIA
Sukanya Srinivasa Raghavan, University of Kerala (India)

ANALYTIC ESTIMATION OF THE ANATOMICAL DATA FOR MALAYSIAN RADIATION ADULT PHANTOM
Olaseni Bello, University Technology Malaysia (Malaysia)

1130-1145 SESSION 2.2
NORM AND NATURAL RADIATION (1)

Chair/s: Keith Baldry

CANCER RISKS FOLLOWING LOW-DOSE RADIATION: WHAT DO WE KNOW ABOUT THE DOSE-RESPONSE CURVE?
John Mathews, University of Melbourne (Australia)

A DISCUSSION ON THE POTENTIAL IMPACT OF RESIDENTIAL RADON EXPOSURE ON RADON RISK ASSESSMENT FOR URANIUM MINERS
Jing Chen, Health Canada (Canada)

IS PARTICLE THERAPY THE ANSWER FOR PANCREATIC CANCER?
Mikaela Dell’Oro, University of South Australia (Australia)

1145-1200 SESSION 2.3
RADIATION BIOLOGY AND PROTECTION

Chair/s: Chris Boyd

A DISCUSSION ON THE POTENTIAL IMPACT OF RESIDENTIAL RADON EXPOSURE ON RADON RISK ASSESSMENT FOR URANIUM MINERS
Jing Chen, Health Canada (Canada)
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<tr>
<th>Time</th>
<th>Session/Activity</th>
<th>Presenters/Institutions</th>
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| 1145-1200 | **The Truth, The Whole Truth, and Nothing But The Truth**  
Richard O’Brien (Australia) | **Radon Progeny and Uranium Ore Dust**  
Personal Alpha Dosimetry in Uranium Mines – The Canadian Experience  
Brian Bjorndal, Radiation Safety Institute of Canada (Canada)  
**Radiosensitivity Changes in HPV+ and HPV- Head and Neck Cancers Following Fractionated Irradiation**  
Paul Reid, University of South Australia (Australia) |
| 1200-1215 | **Achieving Harmonisation of Radiation Protection Legislation Across Australian Jurisdictions**  
Ian Furness, University of South Australia (Australia) | **Design and Development of a Radon Calibration Chamber for Canada**  
Brian Bjorndal, Radiation Safety Institute of Canada (Canada)  
**Are Clinical Nuclear Medicine Settings Compliant with Proposed New ICRP Lens of Eye Dose Limits?**  
Sandor Demeter, Shared Health – Manitoba (Canada) |
| 1220-1320 | Lunch, Trade Exhibition & Poster Display                                           | **Session 3.1**  
PANORAMA 1  
Chair/s: Chris Boyd  
**Aviation and Beyond**  
**Session 3.2**  
PANORAMA 2  
Chair/s: Ian Furness  
**Norm and Natural Radiation (2)**  
**Session 3.3**  
PANORAMA 3  
Chair/s: Andrew Popp  
**Nuclear Facilities and Training** |
| 1230-1335 | **How Can We Manage the Cosmic Radiation Exposures of Frequent Flyers?**  
Hiroshi Yasuda, Hiroshima University (Japan) | **Radiation Monitoring of Uranium Mining Sites in the Alligator Rivers Region, Northern Territory, Australia**  
Scott McMaster, Department of the Environment and Energy (Australia)  
**The Safety Control System at a Nuclear Fusion Experimental Facility**  
Sandro Sandri, Enea (Italy) |
| 1335-1350 | **Space Radiation Effects, Space Health and Human Radiosensitivity**  
Melanie Ferlazzo, CNES INSERM ANSTO (Australia) | **A New Diffusion Battery for the Assessment of Aerosol Characteristics**  
Robert Fairchild, Nebraska Wesleyan University (United States)  
**Simple Contamination, Comprehensive Solution – A Case Study**  
Mikkel Øberg, Danish Decommissioning (Denmark) |
| 1350-1405 | **Experimental Microdosimetry for Radiation Risk Assessment of Particle Therapy Patients and Astronauts Using a Novel Passive Microdosimeter**  
Bhaskar Mukherjee, University of Sydney (Australia) | **Validation of an Effective Dosimeter for Radon Decay Products**  
Andrew Yule, ARPANSA (Australia)  
**Rethinking the Challenge of Radioactive Contamination at the OPAL Multipurpose Reactor**  
John Bus, ANSTO (Australia) |
| 1405-1420 | **Development of a New Radiation Safety Standard in Victoria-CT Based Units for Security or Quality Control Purposes.**  
Simon Robertshaw, DHHS (Australia) | **Review of Uranium Oxide Transport in South Australia**  
Daniel Bellifemine, Environment Protection Authority South Australia (Australia)  
**2019 Challenges Facing the Waste Isolation Pilot Plant**  
George Anastas, GA and Associates (United States) |
| 1420-1435 | **A Solid-State Microdosimeter for Radiation Protection for Astronauts in Space**  
Linh Tran, University of Wollongong (Australia) | **Implementing Environmental Radiation Protection at a Radiopharmaceutical Facility: A Case Study in Australia that includes Terrestrial and Marine Pathways**  
Mathew Johansen, ANSTO (Australia)  
**Successfully Working Together – Nuclear Power and Radiation Safety**  
Mark Sanders, International Nuclear Law Association (United States) |
| 1435-1450 | **Additional Question Time** | **A Small Animal Radon Chamber for Environmentally Relevant Exposures**  
Tony Hooker, University of Adelaide (Australia)  
**Radiation Protection Performance and Challenges at US Nuclear Power Plants**  
Ellen Anderson, Nuclear Energy Institute (United States) |
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<tr>
<th>Time</th>
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<th>Session 4.2: Norm and Natural Radiation (3)</th>
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<td>1455-1525</td>
<td>Afternoon Refreshments, Trade Exhibition &amp; Poster Display</td>
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<tr>
<td>1530-1545</td>
<td><strong>SESSION 4.1</strong> RADIATION EFFECTS</td>
<td><strong>SESSION 4.2</strong> NORM AND NATURAL RADIATION (3)</td>
<td>ICRP Members Only</td>
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<tr>
<td>Chair/s:</td>
<td>Nobuyuki Hamada, Cameron Jeffries</td>
<td>Fiona Charalambous, ARPANSA (Australia)</td>
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<td>1530-1545</td>
<td><strong>SCIENTIFIC INSIGHTS INTO THE CURRENT ICRP JUDGMENTS FOR RADIATION EFFECTS ON THE LENS OF THE EYE</strong></td>
<td><strong>NORM: A PLANNED OR EXISTING EXPOSURE SITUATION?</strong></td>
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<td></td>
<td>Nobuyuki Hamada, CRIEPI (Japan)</td>
<td>Fiona Charalambous, ARPANSA (Australia)</td>
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<tr>
<td>1545-1600</td>
<td><strong>RADIATION EFFECTS ON THE LENS OF THE EYE: ASSESSING THE RISK LEVEL FOR CATARACTOGENESIS</strong></td>
<td><strong>DEVELOPING INTERNATIONAL RADIOLOGICAL RISK ASSESSMENT TOOLS AND APPROACHES FOR AUSTRALIAN ARID ENVIRONMENTS</strong></td>
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<td>Christopher Thome, Northern Ontario School of Medicine (Canada)</td>
<td>Rachel Popelka-Filcoff, Flinders University (Australia)</td>
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<td>1600-1615</td>
<td><strong>THE REPAIR PROJECT: A DEEP UNDERGROUND EXPERIMENT INVESTIGATING THE BIOLOGICAL SIGNIFICANCE OF TERRESTRIAL AND GALACTIC COSMIC NATURAL BACKGROUND RADIATION</strong></td>
<td><strong>THE IAEA FORUM FOR REGULATORS OF URANIUM AND NORM ACTIVITIES</strong></td>
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<td>Jake Pirkkanen, Laurentian University (Canada)</td>
<td>Keith Baldry, Environment Protection Authority (Australia)</td>
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<td>1615-1630</td>
<td><strong>EXPLORING THE EFFECTS OF IONIZING RADIATION BEYOND EARTH’S ORBIT AND DEEP UNDERGROUND IN A NOVEL YEAST MODEL SYSTEM</strong></td>
<td><strong>USE OF CASE STUDIES IN PROGRESSING GUIDANCE ON THE APPLICATION OF RECOMMENDATIONS ON RADIOLOGICAL PROTECTION IN THE EXISTING EXPOSURE SITUATIONS</strong></td>
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<td>Douglas Boreham, Northern Ontario School of Medicine (Canada)</td>
<td>Malgorzata Sneve, Norwegian Radiation Protection and Nuclear Safety Authority (Norway)</td>
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<td>1630-1645</td>
<td><strong>A MULTI-TARGET DIETARY INTERVENTION PROTECTS FROM RADIATION-INDUCED COGNITIVE IMPAIRMENT AND NORMAL TISSUE INJURY</strong></td>
<td><strong>FINDING A SOLUTION FOR MANAGING OUR LOW-LEVEL RADIOACTIVE WASTE ANDBringing stakeholders along on the journey</strong></td>
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<td>Douglas Boreham, Northern Ontario School of Medicine (Canada)</td>
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<td>1730-1900</td>
<td><strong>VIP FUNCTION (INVITATION ONLY)</strong></td>
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Hosted by

[ICRP logo] [ARPANSA logo]
PROGRAM  TUESDAY 19 NOVEMBER 2019

TUESDAY 19 NOVEMBER 2019

0800-1700  Registration Desk Open  ∙ FOYER M

0845-0850  WELCOME AND OPENING REMARKS  ∙ HALL M

0850-0925  MINES KEYNOTE SPEAKER

OLYMPIC DAM: BHP THINKING BIG ABOUT THE FUTURE
Paul Cuthbert – General Manager Mine BHP (Australia)

MINES    ARPS FORUM - MEDICAL

MINING AND OTHER NATURAL SOURCES

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<td>0930-1000</td>
<td>RADIATION MANAGEMENT AT OLYMPIC DAM</td>
<td>RADIATION SAFETY CULTURE</td>
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<td>Zoe Dryger, Martin Smith, Neil Camillo, BHP</td>
<td>Vyoma Shukla, University Hospitals of Leicester</td>
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<td>(Australia)</td>
<td>NHS Trust (United Kingdom)</td>
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<td>1000-1030</td>
<td>THE CHALLENGES OF MINING, PROCESSING, AND</td>
<td>IMPROVEMENT OF THE USE RATE OF THE PERSONAL</td>
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<td>TRANSPORTING NATURALLY OCCURRING RADIOACTIVE</td>
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<td>MATERIALS</td>
<td>RADIOLOGISTS WITH RADIOLOGICAL TECHNOLOGIST</td>
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<td>Frank Harris, Rio Tinto (Australia)</td>
<td>LEADERSHIP</td>
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<td>1030-1100</td>
<td>PROTECTION OF THE ENVIRONMENT</td>
<td>UNSHACKLING VASCULAR SURGERY FROM IONISING</td>
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<td>David Copplestone, University of Stirling (United</td>
<td>RADIATION: A REVIEW OF INNOVATIVE NO-RADIATION AND</td>
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<td>Kingdom)</td>
<td>LOW-RADIATION ('NO-LO') IMAGING TECHNIQUES</td>
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<td>1100-1130</td>
<td>Morning Refreshments, Trade Exhibition &amp; Poster</td>
<td>ADDITIONAL QUESTION TIME</td>
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Chair/s: Jacques Lochard & John Takala  ∙ Peter Harty

1100-1130  Morning Refreshments, Trade Exhibition & Poster Display  ∙ HALL N/O
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<td>1130-1200</td>
<td><strong>MINERS’ STUDIES AND RADIATION PROTECTION AGAINST RADON</strong></td>
<td><strong>ANALYSIS OF MAMMOGRAPHY DOSES IN WESTERN AUSTRALIA</strong></td>
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<td>Dominique Laurier, IRSN (France)</td>
<td>Cameron Storm, MTP (Australia)</td>
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<td>1145-1200</td>
<td><strong>ARPANSA’S NATIONAL DIAGNOSTIC REFERENCE LEVEL SERVICE – PROVIDING GUIDANCE ON TYPICAL DOSES IN MEDICAL IMAGING</strong></td>
<td>Peter Thomas, Australian Radiation Protection and Nuclear Safety Agency (Australia)</td>
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<td>1200-1230</td>
<td><strong>ICRP RECOMMENDATIONS ON RADON</strong></td>
<td><strong>CT SCAN EXPOSURE BEFORE AGE 20 AND CANCER RISK: USING PROPENSITY SCORES TO ACCOUNT FOR CONFOUNDING BY INDICATION</strong></td>
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<td>John Harrison, Oxford Brookes University (United Kingdom)</td>
<td>Jasmine McBain-Miller, University of Melbourne (Australia)</td>
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<td>1215-1230</td>
<td><strong>PATIENT-SPECIFIC ORGAN DOSE ESTIMATION IN PAEDIATRIC CHEST CT: THE MEDIRAD PROJECT</strong></td>
<td>John Damilakis, University of Crete (Greece)</td>
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<td>1230-1300</td>
<td><strong>AUSTRALIAN ACTIONS TO REDUCE HEALTH RISKS FROM RADON</strong></td>
<td><strong>CALIBRATION OF AN INTERNAL EXPOSURE MEASUREMENT DEVICE USING COMPUTATIONAL HUMAN PHANTOMS</strong></td>
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<td>Rick Tinker, ARPANSA (Australia)</td>
<td>Jooyub Lee, Sejong University (South Korea)</td>
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<td>1245-1300</td>
<td><strong>ADDITIONAL QUESTION TIME</strong></td>
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1300-1400 Lunch, Trade Exhibition & Poster Display

THANK YOU TO OUR SPONSORS

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| 1400-1430 | **ICRP APPROACH FOR RADIOLOGICAL PROTECTION FROM NORM IN INDUSTRIAL PROCESSES**  
Jean-Francois Lecomte, IRSN (France) | **LEARNING FORM THE AUSTRALIAN RADIATION INCIDENT REGISTER**  
Chris Nickel, ARPANSA (Australia) |
| 1430-1500 | **TREND OF STRENGTHENING CLEARANCE REGULATION IN JAPAN AND CONCERNS ABOUT ITS WORLDWIDE EFFECTS ON REGULATIONS FOR NATURAL AND ARTIFICIAL RADIUOCLIDES**  
Takatoshi Hattori, CRIEPI (Japan) | **ADVANTAGES FOR A PRIMARY STANDARDS DOSIMETRY LABORATORY IN HAVING A MEDICAL LINEAR ACCELERATOR**  
Peter Harty, ARPANSA (Australia) |
| 1500-1530 | **NORM AND NORM WASTE MANAGEMENT IN CHINA**  
Senlin Liu, China Institute of Atomic Energy (China) | **AGE DEPENDENT DYNAMIC ABSORBED DOSE CALCULATIONS TO THE URINARY BLADDER WALL FOR ICRP COMPARTMENTAL MODELS OF RADIOPHARMACEUTICALS**  
Augusto Giussani, Lund University (Sweden) |
| 1530-1600 | Afternoon Refreshments, Trade Exhibition & Poster Display |  |
| 1600-1730 | **NORM, MINES, AND FUTURE TRENDS**  
Moderator: Keith Baldry, South Australian Enviromental Protection Authority (Australia)  
Panelists:  
Analia Canoba, ICRP/ Autoridad Regulatoria Nuclear (Argentina)  
Donald Cool, ICRP/ Electric Power Research Institute (United States)  
Jim Hondros, JRHC Enterprises (Australia)  
John Takala, ICRP/Cameco Corporation (Canada)  
Stephen Long, ARPANSA (Australia)  
Daniel Zavattiero, Minerals Council of Australia (Australia) |  |
| 1900-2300 | **SYMPOSIUM GALA DINNER**  
Please note, the Gala Dinner is included in the cost of a full registration.  
Additional tickets may be purchased at a cost of $150 per person |  |
MEDICINE

RADIOLOGICAL PROTECTION CHALLENGES IN CUTTING-EDGE MEDICINE

Chair/s: Dr Claire Cousins & Maria Perez

0800-1700 Registration Desk Open

0845-0850 WELCOME AND OPENING REMARKS

0850-0930 AUSTRALIAN HEALTHCARE: HOW DOES RADIATION SAFETY FIT IN?
Professor Brendan Murphy, Chief Medical Officer (Australia)

SESSION 8
HEALTHCARE PRACTITIONERS

0930-1000 AUSTRALASIAN EXPERIENCE
Ivan Williams, ARPANSA (Australia)

1000-1030 USE OF ARTIFICIAL INTELLIGENCE IN CT DOSE OPTIMISATION
Cynthia McCollough, Mayo Clinic (United States)

1030-1100 EFFECTIVE DOSE IN MEDICINE
Colin Martin, ICRP (United Kingdom)

1100-1130 Morning Refreshments, Trade Exhibition & Poster Display

SESSION 9
ROLE OF EQUIPMENT MANUFACTURERS IN RADIOLOGICAL PROTECTION

1130-1200 WHAT’S THE POINT OF INNOVATION IN PATIENT DOSE MONITORING?
Jacqui Hislop-Jambrich, Canon Medical ANZ (Australia)

1200-1230 GLOBAL SPREAD OF PARTICLE THERAPY AND CONSIDERATION OF RADIATION SAFETY
Kazu Tomida, Hitachi (Japan)

1230-1300 TECHNICAL DEVELOPMENTS IN PET.CT IMAGING AND THEIR IMPACT ON RADIATION DOSE REDUCTION
Tim Lagana, Siemens Healthineers (Australia)

1300-1400 Lunch, Trade Exhibition & Poster Display

SESSION 10
PATIENT FOCUS

1400-1430 ETHICS IN RADIOLOGICAL PROTECTION FOR MEDICAL DIAGNOSIS AND TREATMENT: AN UPDATE
Francois Bochud (Switzerland) & Marie-Claire Cantone (Italy)

1430-1500 PATIENTS’ PERSPECTIVES ON RADIATION IN HEALTHCARE
Lee Hunt, Patient Advocate (Australia)

1500-1530 RADIATION PROTECTION CHALLENGES IN APPLICATION OF IONISING RADIATION ON ANIMALS IN VETERINARY PRACTICES
Nicole Martinez (United States) & Lodewijk Van Bladel (Belgium)
PROGRAM  WEDNESDAY 20 NOVEMBER 2019

1530-1600  Afternoon Refreshments, Trade Exhibition & Poster Display  

MEDICINE – PANEL DISCUSSION

1600-1730  RAISING AWARENESS OF RP IN MEDICINE

Moderator:  Cameron Jeffries (Australia)
Panelists:  Kimberly Applegate, ICRP (United States)
            Lee Hunt, Patient Advocate (Australia)
            Keon Kang, ICRP / Seoul National University (South Korea)
            Maria Perez, World Health Organisation
            Marie-Claire Cantone, ICRP / University Milano (Italy)
            Lodewijk van Bladel, ICRP / Federal Agency for Nuclear Control (Belgium)

1930-2230  MOVIE NIGHT

CHERNOBYL FUKUSHIMA: LIVING WITH THE LEGACY

30 years after the Chernobyl catastrophe, and 5 years after Fukushima, it is time to see what has been happening in the “exclusion zones”, where the radioactivity rate is far above normal. This film will offer a unique access to those territories, which gather millions of people within thousands of km2. The viewers will immerse themselves into the daily life of people living there – in Byelorussia, Norway and Japan. Through people’s testimonies and encounters with the scientists working in these open laboratories, the documentary intends to point out the substantial consequences of those nuclear catastrophes. You may be surprised…

Hosted by ICRP Vice-Chair Jacques Lochard

Tickets: This event is complimentary to full delegates, registered partners and exhibitors.

THANK YOU TO OUR EXHIBITORS
MARS

RADIOLOGICAL PROTECTION IN SPACE

Chair/s: Christopher Clement & Dr Gordon Cable

0800-1700 Registration Desk Open

0845-0850 WELCOME AND OPENING REMARKS

0850-0930 MARS KEYNOTE LECTURE

HEALTHCARE FOR DEEP SPACE EXPLORERS
Dr Robert Thirsk, Canadian Space Agency (Canada)

0930-1000 SESSION 11

RADIATION PROTECTION IN SPACE

20 YEARS OF RADIATION PROTECTION EXPERIENCE WITH THE INTERNATIONAL SPACE STATION
Mark Shavers, NASA (United States)

RADIATION ENVIRONMENT IN SPACE AND RECENT PROGRESS ON SPACE WEATHER RESEARCH FOR COSMIC RAY DOSIMETRY
Tatsuhiko Sato, Japan Atomic Energy Agency (Japan)

OPERATIONAL RADIATION PROTECTION FOR HUMAN SPACE FLIGHT, THE FLIGHT SURGEONS PERSPECTIVE
Ulrich Straube, European Space Agency (Germany)

1100-1130 Morning Refreshments, Trade Exhibition & Poster Display

1130-1200 SESSION 12

CURRENT PRACTICE

CURRENT CANADIAN SPACE AGENCY PRACTICE AND ACTIVITIES IN THE AREA OF RADIATION HEALTH PROTECTION
Leena Tomi, Canadian Space Agency (Canada)

ETHICS OF RADIATION PROTECTION IN SPACE
Nikki Coleman, Royal Australian Air Force (Australia)

PRACTICALITIES OF DOSE MANAGEMENT FOR JAPANESE ISS ASTRONAUTS
Tatsuto Komiyama, Japan Aerospace Exploration Agency (Japan)

1300-1400 Lunch, Trade Exhibition & Poster Display

1400-1430 SESSION 13

FUTURE CHALLENGES

LIFETIME RADIATION RISK OF STOCHASTIC EFFECTS—PROSPECTIVE EVALUATION FOR SPACE FLIGHT OR MEDICINE
Alexander Ulanowski, IAEA (Vienna)

RECENT PROGRESS ON CHINESE SPACE PROGRAM AND RADIATION RESEARCH
Guangming Zhou, Soochow University (China)

1500-1530 RADIATION PROTECTION CHALLENGES FOR EXPLORATION
Eddie Semones, NASA (United States)
1530-1600  Afternoon Refreshments, Trade Exhibition & Poster Display

HALL N/O

MARS PANEL DISCUSSION

HALL M

1600-1730  NEXT STEPS FOR RP IN SPACE

Moderator:  Gillian Hirth, ARPANSA (Australia)
Panelists:  Gordon Cable, Australasian Society of Aerospace Medicine
          Mélanie Ferlazzo, ANSTO (Australia)
          Werner Rühm, ICRP / Helmholtz Centre Munich (Germany)
          Samy El-Jaby, Canadian Nuclear Laboratories (Canada)
          Wesley Bolch, ICRP /University of Florida (United States)

CLOSING CEREMONY

1730-1740  CLOSING REMARKS

Dr Claire Cousins, ICRP Chair

1740-1800  INVITATION TO ICRP 2021 – VANCOUVER

Mike Rinker

The ICRP 2019 reserves the right to amend or alter any advertised details relating to dates, program and speakers if necessary, without notice, as a result of circumstances beyond their control. All attempts have been made to keep any changes to an absolute minimum.