

Preliminary Programme

27 August 2025

Advancing Radiological Protection:
Innovation, Integrity, Sustainability

ICRP 2025

**8TH INTERNATIONAL SYMPOSIUM ON THE
SYSTEM OF RADIOLOGICAL PROTECTION**

Hosted By:

FANR

الهيئة الاتحادية للرقابة النووية
Federal Authority for Nuclear Regulation



7 - 9 October 2025

Abu Dhabi, UAE - The Ritz-Carlton, Grand Canal

PROGRAMME AT A GLANCE

GST	Tuesday 7 October	Wednesday 8 October			Thursday 9 October						
8:30	Session 1 Welcome & Bo Lindell Lecture										
9:00		Session 5 Effects I	Session 6 Environment	Session 7 Dosimetry I	Session 17 RP Concepts III	Session 18 Highlight I	Session 19 Applications I				
9:30											
10:00											
10:30	Coffee Break 10:30 - 11:00	Coffee Break 10:30 - 11:00			Coffee Break 10:30 - 11:00						
11:00	Session 2 Review & Revision of the System of Radiological Protection	Session 8 Effects II	Session 9 Medical I	Session 10 Dosimetry II	Session 20 RP Concepts IV	Session 21 Highlight II	Session 22 Applications II				
11:30											
12:00											
12:30											
13:00	Lunch Break 12:30 - 14:00	Lunch Break 12:30 - 14:00			Lunch Break 12:30 - 14:00						
13:30											
14:00	Session 3 Finalists for the Cousins Award for Young Scientists and Professionals	Session 11 Effects III	Session 12 Medical II	Session 13 RP Concepts I	Session 23 RP Ethics I	Session 24 Highlight III	Session 25 Applications III				
14:30											
15:00											
15:30											
16:00	Coffee Break 15:30 - 16:00	Coffee Break 15:30 - 16:00			Coffee Break 15:30 - 16:00						
16:30	Session 4 Sustainability & Vancouver Call for Action	Session 14 Emerging Experts	Session 15 Medical III	Session 16 RP Concepts II	Session 26 RP Ethics II	Session 27 Highlight IV	Session 28 Applications IV				
17:00											
17:30											
18:00											
							Session 29 Closing				

TUESDAY 7 OCTOBER 2025

08:30 - 10:30 Session 1: Welcome & Bo Lindell Lecture

Moderator: Christopher Clement (ICRP, Canada)

Welcome Remarks
HE Hamad Al Kaabi & Christer Viktorsson (FANR, UAE)

Welcome and Opening Presentation: ICRP Priorities
Werner Rühm (ICRP/BfS, Germany)

Q&A

Bo Lindell Lecture Introduction & Medal Ceremony
Werner Rühm, (ICRP/BfS, Germany)

Enhancing Radiological Protection Through Computational Phantom Evolution: Past, Present, and Future
Yeon Soo Yeom (ICRP/Yonsei University, Korea)

10:30 - 11:00 **Coffee Break & Poster Session**

11:00 - 12:30 **Session 2: Review & Revision of the System of Radiological Protection**

Co-chairs: Werner Rühm (ICRP/BfS, Germany) & Hildegard Vandenhove (IAEA)

Rapporteur Summary

Luana Hafner (ENSI, Switzerland)

Overview of Review and Revision of the System of RP

Christopher Clement (ICRP, Canada)

Areas of Likely Evolution and Stability

Committee 1: Effects

Dominique Laurier (ICRP/ASNR, France)

Committee 2: Dosimetry

François Bochud (ICRP/University of Lausanne, Switzerland)

Committee 3: Medical

David Sutton (ICRP/University of Dundee, UK)

Committee 4: Application

Thierry Schneider (ICRP/CEPN, France)

Review & Revision of the System of Radiological Protection: Implementation of IAEA Safety Standards in Member States – Call for Stability and Consistency of the System of Radiological Protection

Miroslav Pinak (IAEA)

Conclusions

12:30 - 14:00 **Lunch Break**

14:00 - 15:30 **Session 3: Finalists for the Cousins Award for Young Scientists and Professionals**

Co-chairs: Nicole Martinez (ICRP/Clemson University, USA) & Hafsa Essop (2023 Cousins Award Recipient & ICRP TG I23 Mentee, South Africa)

Opening and Introduction

Presentations by Finalists

Deep Learning-Based Synthetic CT Generation from MRI and CBCT for Dose-Efficient and Adaptive Radiotherapy Workflows

Aliaksandr Miadzvetski (ICRP TG I16 Mentee, Belarus)

Rapid C-banding for Dicentric Chromosome Detection and Biological Dosimetry

Donovan Anderson (Hirosaki University, Japan)

14:00 - 15:30

Session 3: Finalists for the Cousins Award for Young Scientists and Professionals (cont.)

Brain CancEr risk in joint cOhort of MEdical workers exposed to ionizing radiation in France, USA and Korea (BECOME)

Altay Mysayev (ICRP TG 126 Mentee, Spain)

Language in the System - a 'Telephone Game' Effect?

Sannah van Balen (ICRP TG 124 Mentee, UK)

Closing

15:30 - 16:00

Coffee Break & Poster Session

16:00 - 17:30

Session 4: Sustainability & Vancouver Call for Action

Co-chairs: Werner Rühm (ICRP/BfS, Germany) & Andy Mayall (ICRP/Environment Agency, UK)

Rapporteur Summary

TBD

IRPA Feedback on Response to the Vancouver Call for Action

Claire-Louise Chapple (IRPA)

IAEA Role in Building Competence

Hildegard Vandenhove (IAEA)

Sustainability and Rad Safety – 2 Sides of Same Coin

Anna Clark (IAEA)

Transport of Radioactive Materials: Emerging Considerations for the ICRP System of Radiological Protection

Peter Bryant (ICRP/WNTI)

Feedback from the Joint ICRP-WNA Workshop on “Enabling Sustainable Development Through the System of Protection: Practicality and Alignment”

Sameh Melhem (World Nuclear Association)

Conclusions

WEDNESDAY 8 OCTOBER 2025

09:00 - 10:30

Session 5: Effects I

Bill Morgan Memorial Lecture • Effects Overview • Radiation Detriment

Co-Chairs: Dominique Laurier (ICRP/ASNR, France) & Preetha Rajaraman (ICRP/RERF, Japan)

Rapporteur Summary

Abdulaziz Dakhilallah (NRR, Saudi Arabia)

Bill Morgan Memorial Lecture

Gayle Woloschak (ICRP/Northwestern University, USA)

Contribution of the Genetic Background to Individual Response to Radiation: Comparative Analysis of Early Toxicities in Patients who Received Two Independent Radiotherapies

Andrzej Wojcik (ICRP/Stockholm University, Sweden)

Calculation of Disability-Adjusted Life Years (DALYs) of Radiation Exposure Based on the Method for the Radiation Detriment

Tatsuki Kimura (CRIEPI, Japan)

Advancing Health Research Through the Adverse Outcome Pathway Framework

George Vardoulakis (OECD-NEA)

Conclusions

Session 6: Environment

Evolution of RAPs & DCRLs • Ecosystem Services • Practical Application

Co-Chairs: Jason Harris (ICRP/Purdue University, USA) & Marie Simon-Cornu (ICRP/ASNR, France)

Rapporteur Summary

Ayesha Al Shouq (FANR, UAE)

Considering the Environment When Applying the System of Radiological Protection: Evolving the Approach

Andy Mayall (ICRP/Environment Agency, UK)

Bees as an Example for Operationalizing an Ecosystem Services Approach into Environmental Radiological Protection: Updates from TG 125

Analía Canoba (ICRP/ARN, Argentina)

Why Are We Interested in Radiation Effects in Animals? A Comparison of Considerations in Radiobiology, Radioecology, and Veterinary Medicine

Nicole Martinez (ICRP/Clemson University, USA)

Data Base of Radioecological Parameters for Arid Environments

Natalia Semioshkina (RadCon GmbH, Germany)

Conclusions

Session 7: Dosimetry I

Occupational & Public • Medical • Emergency

Co-Chairs: François Bochud (ICRP/University of Lausanne, Switzerland) & Abdulsalam Alhawsawi (NRR, Saudi Arabia)

Rapporteur Summary

Yumi Lee (ICRP TG 113 Mentee, Korea)

Computed Dosimetry

Filip Vanhavere (ICRP/SCK-CEN, Belgium)

Practical Implementation of the New Dose Coefficients: The Case of OIR

François Paquet (ICRP/ASNR, France)

The Future ICRP Pregnancy Phantoms

Bangho Shin (ICRP/University of Florida, USA)

International Phantoms

Liye Liu (ICRP/CIRP, China)

Dose Coefficients for Medical Computer Tomography

Choonsik Lee (ICRP/NCI, USA)

Conclusions

10:30 - 11:00

Coffee Break & Poster Session

WEDNESDAY 8 OCTOBER 2025

11:00 - 12:30	Session 8: Effects II	Session 9: Medical I	Session 10: Dosimetry II
	Low Dose & Dose Rate • High Background Areas	Optimisation in Imaging • Imaging in Radiotherapy • Recurrent Imaging	Environmental Protection • Operational Quantities
	<i>Co-Chairs: David Richardson (ICRP/University of California, USA) & Qingjie Liu (CDC, China)</i>	<i>Co-Chairs: Sebastien Gros (ICRP/Loyola University Medical Center, USA) & Khalifa Al Kaabi (Tawam Hospital, UAE)</i>	<i>Co-Chairs: François Paquet (ICRP/ASNR, France) & Samia Abdul Aziz Mohamed (FANR/GULFMET, UAE)</i>
	Rapporteur Summary TBD	Rapporteur Summary Buthaina Al Ameri (ICRP TG 116 Mentee/FANR, UAE)	Rapporteur Summary Ji Won Choi (ICRP TG 113 Mentee, Korea)
	Studies of Health Effects in Population Living in HBRA Yangjiang, China Quanfu Sun (ICRP/NIRP, China)	The Role of Image Quality in Optimization for Imaging Mika Kortensniemi (ICRP/Helsinki University Hospital, Finland)	ICRU Report 95 – The Way to go in Operational Radiological Protection François Bochud (ICRP/University of Lausanne, Switzerland)
	IAEA Technical Meeting on Radiation Protection and Safety in High Natural Background Radiation Areas: Key Outcomes and Conclusions Laura Urso (IAEA)	Radiation Oncologist Perspective on Challenges with Imaging Dose Optimization in RT Nadeem Pervez (GICC, UAE)	Controversies Surrounding the ICRU 95 Report Markus Figel (Mirion Medical GmbH, Germany)
	Million Person Study Kathy Higley (NCRP, USA)	Recurrent Imaging and Adaptive Radiation Therapy (ART) Ivan Williams (ICRP/ARPANSA, Australia)	A Visual-aided Monte Carlo Simulation Code for External Exposure Hyeonil Kim (ICRP TG 103 Mentee, Korea)
	Work in Progress of Working Groups of PLANET in Japan Masanori Tomita (CRIEPI, Japan)	DRLs for CBCT Optimization Parham Alaei (University of Minnesota, USA)	IAEA-Coordinated Research on External Dosimetry for Terrestrial Wildlife Alexander Ulanowski (ICRP/IAEA)
	Effect of Dose and Dose-rate on the Risk of Solid Cancer Werner Rühm (ICRP/BfS, Germany)	Smarter Scans, Safer Patients: AI-Driven Imaging Dose Optimization John Damilakis (ICRP/University of Crete, Greece)	Panel Discussion
	Conclusions	Balancing Accuracy and Exposure Toward Optimized Use of Daily kV-CBCT in IGRT Zakiya Al-Rhabi (ICRP TG 116 Mentee, Oman)	Conclusions
		Conclusions	

12:30 - 14:00

Lunch Break

14:00 - 15:30

Session 11: Effects III

ICRP/UNSCEAR Collaboration

Co-Chairs: Gayle Woloschak (ICRP/ Northwestern University, USA) & Carol Robinson (ICRP/DSA, Norway)

Rapporteur Summary
TBD

UNSCEAR and ICRP Collaboration with focus on Circulatory Diseases
Tiberio Cabianca (UNSCEAR) & Dominique Laurier (ICRP/ASNR, France)

CanEpi Report Collaboration
David Richardson (ICRP/University of California, USA)

Cancer Detriment Review by TG 122
Richard Wakeford (ICRP/The University of Manchester, UK)

Lens of the Eye
Liz Ainsbury (ICRP/UKHSA, UK)

Conclusions

Session 12: Medical II

Proton and Heavy Ion Therapy • Emerging Therapies
• Second Primary Cancer

Co-Chairs: David Sutton (ICRP/University of Dundee, UK) & Mohammed Tahlak (CCAD/ EMPS President, UAE)

Rapporteur Summary
Zakiya Al-Rhabi (ICRP TG 116 Mentee, Oman)

Second Primary Cancer Following Radiotherapy - A Comprehensive Evaluation by UNSCEAR
Wesley Bolch (University of Florida, USA)

Emerging Trends in External Beam Therapy
Ivan Williams (ICRP/ARPANSA, Australia)

Emerging Trends in Internal Radionuclide Therapies
Makoto Hosono (ICRP/Kindai University, Japan)

Authorizing the First Proton Therapy Center in Saudi Arabia
Abdulaziz Dakhilallah (NRRC, Saudi Arabia)

Rationale and Clinical Utility of Carbon Ion Radiation Therapy
Fady Geara (CCAD, UAE)

Conclusions

Session 13: RP Concepts I

Justification & Optimisation of Protection

Co-Chairs: Nobuhiko Ban (ICRP/NRA, Japan) & Karin Fritioff (Vattenfall AB, Sweden)

Rapporteur Summary
Ameena Al Abdouli (FANR, UAE)

Overview of TG 124 on the Application of the Principle of Justification
Michael Boyd (EPA, USA)

Relationship Between Justification and Optimisation
Mika Markkanen (STUK, Finland)

A Practitioner's Perspective on Justification and Optimisation in the Context of Sustainability
Cameron Jeffries (SAMI, Australia)

Twenty Years of Diagnostic Reference Levels in Germany: An Overview
Augusto Giussani (ICRP/BfS, Germany)

Optimisation, Holistic Approach, Decisions in Complex Situations in Waste Management
Mikkel Øberg (Danish Decommissioning, Denmark)

Q&A

Conclusions

15:30 - 16:00

Coffee Break & Poster Session

16:00 - 17:30

Session 14: Emerging Experts

The Next Generation of Scientists & Professionals

Co-Chairs: Kelsey Cloutier (ICRP, Canada) & Lorenzo Nicola Mazzoni (ICRP/EFOMP/AUSL TC, Italy)

Rapporteur Summary

Midori Nakamura (JANUS, Japan)

ICRP Mentorship Programme

Olga German (ICRP, Canada)

Shaping the Future of RP: Engaging the Next Generation (April 2025) Recap and Path Forward

Hafsa Essop (ICRP TG 123 Mentee, South Africa)

Building the Future Workforce: Bridging the Radiation Protection Skills Gap through Innovation, Industry Collaboration, and Education

Peter Bryant (ICRP/WNTI)

Effects of Clinical Imaging Guidelines on the Appropriateness of CT Requisitions Among Children and Young Adults in a Low-Resource Setting

Harriet Nalubega Kisebo (Ernest Cook University, Uganda)

Experience in Implementing the ICRP System of Radiation Protection in a Government Hospital in the Philippines

Isabel Elona (ICRP TG 126 Member-Mentee, Philippines)

Panel Discussion and Q&A

Session 15: Medical III

Occupational RP • Health Surveillance of Exposed Workers

Co-Chairs: Makoto Hosono (ICRP/Kindai University, Japan) & Hassan Kharita (HMC/MEFOMP, Qatar)

Rapporteur Summary

Aliaksandr Miadzvetski (ICRP TG 116 Mentee, Belarus)

Health Surveillance of Exposed Workers

Shengli Niu (ILO)

Radiation Protection in the Context of an Integrated Approach to Occupational Health

Ferid Shannoun (WHO)

Toward Effective and Rational Radiation Health Surveillance: A Nationwide Survey of Occupational Health Institutions in Japan

Hiroko Kitamura (QST, Japan)

Occupational RP Health Surveillance of Exposed Medical Workers in Saudi Arabia

Khulud Alsiraj (NRRC, Saudi Arabia)

Occupational Radiation Dose in Interventional Radiology Procedures: A Multi-Role Assessment at a Comprehensive Cancer Center

Naema Al Maymani (Medical University, Oman)

Conclusions

Session 16: RP Concepts II

Sources and Impacts of Uncertainty

Co-Chairs: Andrzej Wojcik (ICRP/Stockholm University, Sweden) & Daniele Giuffrida (FANR, UAE)

Rapporteur Summary

Liudmila Liutsko (ICRP TG 121 Mentee, Spain)

Opening

Commentary on Recommendations on Statistical Approaches to Account for Dose Uncertainties in Radiation Epidemiologic Risk Models

Kathy Higley (NCRP, USA)

Decision-making Under Uncertainty in Radiation Protection - Articulating the Role of Commander's Intent and Intent-based Leadership

Abinash Chakraborty (BARC, India)

Assessment of Uncertainty in Routine Individual Dosimetry through Analytical and Monte Carlo Approaches

Ram Sharan Karki (Tribhuvan University, Nepal)

Guidance on Considering and Communication Uncertainties in ICRP Activities

Dominique Laurier (ICRP/ASNR, France)

Conclusions

THURSDAY 9 OCTOBER 2025

09:00 - 10:30

Session 17: RP Concepts III

Individualisation & Stratification: Science & Implications

Co-Chairs: Simon Bouffler (ICRP/UKHSA, UK) & Nobuyuki Hamada (ICRP/CRIEPI, Japan)

Rapporteur Summary

Benjamin Puzantian (ICRP TG 126 Mentee/ Health Canada, Canada)

The Science Perspective of Individualisation and Stratification

Andrzej Wojcik (ICRP/Stockholm University, Sweden)

The Regulatory Perspective of Individualisation and Stratification

Julie Burt (ICRP/CNSC, Canada)

The Medical Perspective of Individualisation and Stratification

Andrea Magistrelli (ICRP/IRCCS, Italy)

Individualisation in Non-ionising Radiation Protection

Akimasa Hirata (Nagoya Institute of Technology, Japan/ICNIRP)

Q&A

Conclusions

Session 18: Highlight I

Inside ICRP & the Framework of International Organisations

Co-Chairs: Christopher Clement (ICRP, Canada) & Miroslav Pinak (IAEA)

Rapporteur Summary

TBD

Opening and Introduction

Inside ICRP: How ICRP Operates

Olga German (ICRP, Canada)

Inter-Agency Committee on Radiation Safety - 35 Years of Working Together

Jasminka Joksic (IAEA)

Remarks from International Organisations on How They Interact with ICRP

Hildegard Vandenhove (IAEA), Shengli Niu (ILO), Bernard Le Guen (IRPA), Nina Cromnier (OECD-NEA), Tiberio Cabianca (UNSCEAR), Emilie van Deventer (WHO), & Sameh Melhem (World Nuclear Association)

Panel Discussion

Conclusions

Session 19: Applications I

Armed Conflict • Malicious Events • Preparedness, Response & Recovery

Co-Chairs: Volodymyr Berkovskyy (ICRP/RPI, Ukraine) & Hyungjoon Yu (KINS, Korea)

Rapporteur Summary

Ali Al Remeithi (FANR, UAE)

Radiation Accidents and Malicious Events with a Focus on the Early Response Phase

Chunsheng Li (ICRP/Health Canada, Canada)

The Evolution of Citizen Participation in the Work of CODIRPA

TBD

Reclaiming Safety: Regulatory Recovery and Radiological Protection in the Aftermath of Military Occupation

Katarzyna Siegien (DSA, Norway)

Guidelines for Communication with the Public in Nuclear Emergencies to Mitigate the Effects of Misinformation

Dev Minotra (CNL, Canada)

Panel Discussion

Conclusions

10:30 - 11:00

Coffee Break & Poster Session

11:00 - 12:30	Session 20: RP Concepts IV	Session 21: Highlight II	Session 22: Applications II
	Exposure Categories & Situations	RP Culture • Education • Training • Communications	Space Exploration • NORM
	<i>Co-Chairs: Yann Billarand (ICRP/ASNR, France) & Liye Liu (ICRP/CIRP, China)</i>	<i>Co-Chairs: Eduardo Gallego (ICRP/UPM, Spain) & Nina Cromnier (OECD-NEA)</i>	<i>Co-Chairs: Christopher Jones (AWE Aldermaston, UK) & George Vardoulakis (OECD-NEA)</i>
	Rapporteur Summary Sannah van Balen (ICRP TG 124 Mentee, UK)	Rapporteur Summary Meera Alshoukari (FANR, UAE)	Rapporteur Summary Salama Al Mansoori (FANR, UAE)
	The Way to Address the Exposure Situations and Categories of Exposure - From UAE Regulatory Point of View Buthaina Al Ameri (ICRP TG 116 Mentee/FANR, UAE)	Communicating Controversy: Developing Structured Talking Points on the Linear No-Threshold Model Dominique Laurier (ICRP/ASNR, France)	Practical Management of Radiation Using Risk Concepts in NORM Affected Industries Jim Hondros (IRPA)
	IAEA Guidance for Existing Exposure Situations Laura Urso (IAEA)	Information Service in Radiation Safety: Canadian Multifaceted Approach to RP Education and Public Awareness Natalia Mozayani (RSIC, Canada)	Practical Use of Graded Approach to Assess Radiological Hazards Kari Toews (WNA)
	Dose Restriction System for Workers in Emergency and Existing Exposure Situations After a Nuclear Accident or a Radiation Emergency Takatoshi Hattori (NDF, Japan)	Survey of the International Situation of Education and Training for Industrial X-ray Radiation Workers Yu Igarashi (University of Tokyo, Japan)	Radiological Protection in Space: Risk Metrics Suitable for Flight-specific Radiation Health Risks Alexander Ulanowski (ICRP/IAEA)
	Outstanding Points from TG 127 on Exposure Situations and Categories of Exposure Analia Canoba (ICRP/ARN, Argentina)	Methods and Lessons Learned in Training and Tutoring Activities for Experts of Nuclear Regulatory Authorities Tamas Pazmandi (HUN-REN Centre for Energy Research, Hungary)	Consolidating Knowledge on Non-Cancer Radiation Effects through Adverse Outcome Pathways Nobuyuki Hamada (ICRP/CRIEPI, Japan)
	Q&A	Q&A	Panel Discussion
	Conclusions	Panel Discussion: Radiation Safety Culture Ferid Shannoun (WHO), Bernard Le Guen (IRPA), Juha Suutari (STUK, Finland), Werner Rühm (ICRP) & Hassan Kharita (MEFOMP, Qatar)	Conclusions
		Conclusions	

12:30 - 14:00

Lunch Break

14:00 - 15:30

Session 23: RP Ethics I

Reasonableness & Tolerability

Co-Chairs: Thierry Schneider (ICRP/CEPN, France) & Cameron Jeffries (SAMI, Australia)

Rapporteur Summary

Abdullah Abuhaimed (ICRP TG 116 Mentee, Saudi Arabia)

Essentials of the System of Radiological Protection

Werner Rühm, (ICRP/BfS, Germany)

Some Ethical Aspects of the Third Principle of Radiological Protection

Friedo Zölzer (ICRP/University of South Bohemia, Czechia)

ICRP Task Group 114 on Reasonableness and Tolerability in the System of Radiological Protection: Progress and the Way Forward

Haruyuki Ogino (ICRP/NRA, Japan)

A Practitioner's Perspective on Reasonableness and Tolerability: The Views of the IRPA Task Group on the Review of the System of Radiological Protection

Claire-Louise Chapple (IRPA)

Stakeholder Involvement and Optimisation in Decision Making Processes

Nina Cromnier (OECD-NEA)

Q&A

Conclusions

Session 24: Highlight III

RP Challenges & Opportunities in the UAE & GCC

Co-Chairs: TBD

Rapporteur Summary

TBD

Presentations TBD

Session 25: Applications III

Remediation of Legacy Sites • Waste Management

Co-Chairs: Michael Boyd (EPA, USA) & Darcy Campbell (EPRI, USA)

Rapporteur Summary

Sara Dumit (ICRP TG 121 Mentee, USA)

Radiological Protection in Areas Contaminated by Past Activities

Ludovic Vaillant (ICRP/CEPN, France)

Methodology for the Derivation of Specific Clearance Levels

Chantal Mommaert (IAEA)

Remediation of Uranium Legacy Sites in Central Asia

Anna Clark (IAEA)

Quantification of Hard to Detect Radionuclides in Low and Intermediate Level Waste

Borja Bravo (EPRI, Spain)

TG 97 Report on Application of the Commission's Recommendations for Surface and Near Surface Disposal of Solid Radioactive Waste

John Takala (ICRP/Cameco, Canada)

Q&A

Conclusions

15:30 - 16:00

Coffee Break & Poster Session

16:00 - 17:30

Session 26: RP Ethics II

Ethics in RP in Medicine and the Practice of RP

Co-Chairs: Kunwoo Cho (ICRP/KAIST, Korea) & Ferid Shannoun (WHO)

Rapporteur Summary

Isabel Adorio Elona (ICRP TG 126 Mentee, Philippines)

ICRP Publication 157 – Ethics at the Crossroad of Radiological Protection and Medicine

François Bochud (ICRP/University of Lausanne, Switzerland)

A WHO Framework for Training on Ethics in Radiation Protection in Medicine

Emilie van Deventer (WHO)

Ethical Issues of Application AI in Radiological Protection

TBD

A Forward Look at Upcoming Work of the ICRP Concerning Ethics in the Practice of Radiation Protection

Hiroko Yoshida (ICRP/ Tohoku University, Japan)

Conclusions

Session 27: Highlight IV

Artificial Intelligence in RP

Co-Chairs: Filip Vanhavere (ICRP/SCK-CEN, Belgium) & TBD

Rapporteur Summary

Altay Myssayev (ICRP TG 126 Mentee, Spain)

AI in Medical Radiation Protection: Insights from the ICRP C3 Working Party and a Review of AI-powered X-ray Dosimetry Applications

John Damilakis (ICRP/University of Crete, Greece)

AI in Medical Radiation Protection: The Landscape of AI-powered Image Quality Enhancement

Mika Kortensniemi (ICRP/Helsinki University Hospital, Finland)

The ICRP C4 Working Party on AI in RP

Daniele Giuffrida (ICRP/FANR, UAE)

Transforming the ICRP Framework for Internal Dosimetry: Novel Advances in AI-Driven Intake Reconstruction and Multi-Scale Deposition Modeling

Shaheen Dewji (Georgia Institute of Technology, USA)

Machine Learning-Based Real-Time Dose Estimation for Upper Extremities in Interventional Radiology

Hussein Harb (University of Western Brittany, France)

Application of Machine Learning for Predicting the Soil to Rice Transfer Factors of Cs

Avaneesh Rai U. K. (Mangalore University, India)

Conclusions

Session 28: Applications III

Implementing RP Recommendations in Regulation

Co-Chairs: Claudia Engelhardt (BMUV, Germany) & Julie Burt (ICRP/CNSC, Canada)

Rapporteur Summary

Donovan Anderson (Hirosaki University, Japan)

Implementing a Dose Constraint Concept in the Belarus Regulatory System

Alena Nikalayenka (RCHEPPH, Belarus)

ICRP recommendations' impact on the international standards for radiation protection instruments

Radoslav Radev (LLNL, USA)

Presentation TBD

Panel Discussion

Gareth Thomas (HERCA), Haruyuki Ogino (IAEA-RASSC Chair), Aayda Al Shehhi (FANR, UAE), Cameron Jeffries (AOARP/IRPA), TBD (ICRP), & TBD (FORO)

Conclusions

17:30 - 18:00

Session 29: Closing

Thanks

TBD (FANR)

Remarks

Werner Rühm (ICRP/BfS, Germany) & TBD (FANR)

Invitation to ICRP 2027

TBD

Closing

Werner Rühm (ICRP/BfS, Germany)
