

ICRP 2013

2nd International Symposium on the System of Radiological Protection

October 22-24, 2013
Abu Dhabi, UAE

Sessions on:
Post-Accident Recovery - Medicine - NORM - Environment - Tissue Reactions

ICRP
International Commission
on Radiological Protection

FANR
الهيئة الاتحادية للرقابة النووية
FEDERAL AUTHORITY FOR NUCLEAR REGULATION



Tuesday October 22, Morning Opening session

Welcome and Introductions
ICRP Past, Present and Future
The ICRP Programme of Work

Tuesday October 22, Afternoon Tissue reactions: The road from science to protection

Short presentations followed by a panel discussion

Co-chairs: **Bill Morgan** (ICRP C1 Chair, Pacific Northwest National Laboratory, USA)
Zhanat Carr (World Health Organisation)

Wolfgang Doerr (ICRP C1, Medical University of Vienna, Austria)
The biology of tissue reactions

Jolyon Hendry (former ICRP C1, UK)
Threshold doses and circulatory disease risks

Shinichiro Miyazaki (Kinki University, Japan)
General tissue reactions and implications for radiation protection

Simon Bouffler (ICRP C1, Public Health England, UK)
The lens of the eye, exposures in the UK medical sector and mechanistic studies of radiation effects

Wesley Bolch (ICRP C2, University of Florida, USA)
Dosimetric models of the eye and eye lens and their use in assessing dose coefficients for ocular exposures

Miroslav Pinak (International Atomic Energy Agency)
Dose limits to the lens of the eyes: New limit for the lens of the eye - International Basic Safety Standards and related guidance

Eliseo Vaño (ICRP C3 Chair, Complutense University, Spain)
Implications in medical imaging of the new ICRP thresholds for tissue reactions

Laurence Dauer (ICRP C3, Memorial Sloan-Kettering Cancer Center, USA)
Implications for radiotherapy of the New ICRP thresholds for tissue reactions

Ted Lazo (OECD Nuclear Energy Agency)
Non-cancer effects: Science and values aspects of protection decisions

Marie-Claire Cantone (International Radiation Protection Association, University of Milan, Italy)
Implications of the implementation of the revised dose limit to the lens of the eye: The view of the IRPA professionals

Wednesday October 23, Morning

Advances in recovery preparedness and response following Fukushima

Co-chairs: **Jacques Lochard** (ICRP C4 Chair, Institute for Radiological Protection and Nuclear Safety, France)
Ryugo Hayano (University of Tokyo, Japan)

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Engaging with local stakeholders: Some lessons from Fukushima for recovery

Tsutomu Sato (Ministry of the Environment, Japan)

Progress on off-site cleanup efforts in Japan

Michiaki Kai (ICRP C4, Oita University of Nursing and Health Sciences, Japan)

Experience and current issues with recovery management from the Fukushima accident

Anne Nisbet (ICRP C4, Public Health England, UK)

Decision making for late phase recovery from nuclear or radiological incidents: New guidance from NCRP

Jean-Christophe Niel (Nuclear Safety Authority, France)

The French policy for managing long term contaminated territories in the event of a nuclear accident

Wednesday October 23, Afternoon

NORM issues in the real world

Co-chairs: **Donald Cool** (ICRP C4 Vice-chair, Nuclear Regulatory Commission, USA)
Bakheet Salem Al-Ameri (Abu Dhabi National Oil Company, UAE)

Donald Cool (ICRP C4 Vice-chair, Nuclear Regulatory Commission, USA)

Review of the ICRP system, in particular the approach to existing exposure situations

Jean-François Lecomte (ICRP C4 Secretary, Institute for Radiological Protection and Nuclear Safety, France)

Application of the Commission's recommendations to naturally occurring radioactive materials

John Loy (Federal Authority for Nuclear Regulation, UAE)

What should a radiation regulator do about NORM?

Doug Chambers (ICRP C2, SENES, Canada)

Radiological protection in North American NORM industries

Hazem Abuahmad (Abu Dhabi National Oil Company, UAE)

Construction of a NORM project in the BeAAT Hazardous Waste Facilities

ICRP 2013 Symposium Programme

Thursday October 24, Morning

What do we need from ICRP in medicine?

Co-chairs: **Eliseo Vaño** (ICRP C3 Chair, Complutense University, Spain)
Jamila Salem Al Suwaidi (Dubai Health Authority, UAE)

John Harrison (ICRP C2 Chair, Public Health England, UK)
The use of effective dose in medicine

Madan Rehani (ICRP C3 Secretary, Austria)
Patient dose management in CT and CBCT

John Boice (ICRP Main Commission, National Council on Radiation Protection and Measurements, USA)
Paediatric CT and recent epidemiological studies

Jamila Salem Al Suwaidi (Dubai Health Authority, UAE)
Digital and interventional radiology: Patient dose registries and diagnostic reference levels

Ahmed M. Alenezi (Prince Sultan Military Medical City, Riyadh, Saudi Arabia)
Trends in radiation protection of PET/CT imaging

Maria Perez (World Health Organisation)
Referral criteria and clinical decision support: Radiological protection aspects for justification

Thursday October 24, Afternoon

The ICRP approach to environmental radiation protection: issues and application

Co-chairs: **Carl-Magnus Larsson** (ICRP C5 Chair, Australia)
Jacques Repussard (Institute for Radiological Protection and Nuclear Safety, France)

Jan Pentreath (former ICRP C5 Chair, UK)
The ICRP's approach to protection of the living environment under different exposure situations

Jacqueline Garnier-Laplace (ICRP C5, Institute for Radiological Protection and Nuclear Safety, France)
Establishing relationships between environmental exposures to radionuclides and their consequences for wildlife: inferences and weight of evidence

Kathryn Higley (ICRP C5 Vice-chair, Oregon State University, USA)
The creation and application of voxelized dosimetric models, and a comparison with the current methodology as used for the ICRP RAPs

Ashraf Al Cibahy (Environment Agency of Abu Dhabi, UAE)
Marine biodiversity in Abu Dhabi, UAE

Diego Telleria (International Atomic Energy Agency)
Use of the ICRP system for protection of marine ecosystems

Jordi Vives i Batlle (ICRP C5, Study Centre for Nuclear Energy, Belgium)
Modelling exposures and effects in the marine environment under emergency exposure situations