



SAPIENZA
UNIVERSITÀ DI ROMA



UNIVERSITÀ
DEGLI STUDI
DI MILANO



Ispettorato nazionale
per la sicurezza nucleare
e la radioprotezione



Challenges of Radiological Protection in Research and Society

September 13-14/2022

Rome, Italy

Sapienza Congress Center / Via Salaria 113

In recent years, ICRP has begun to re-analyse and update the Radiological Protection System, based mainly on ICRP Publication 103, with an open and transparent involvement process of organizations, individuals, and of all interested parties in this path of the radiological protection community.

This is a beginning of the process that in the upcoming years will address and complete the changes related to science from research results and to society in the update of Radiological Protection.

A wide set of disciplines are related to research needs, as dosimetry, medical imaging and radiotherapy, ethics, social sciences, radiobiology, modelling, uncertainty analysis, which represent the challenges of Radiological Protection.

In the perspective of the evolution of the System, this event in Rome is a special unique moment of direct contact with the ICRP Main Commission for the Italian community, with the opportunity to elaborate more about the addressing the changes in science and society.

Tuesday September 13, 2022

09:00 *Opening and welcome address*
Roberto Pani, Marie Claire Cantone, Werner Rühm

SESSION 1 / Co-Chairs: Donald A. Cool (ICRP Vice-Chair), Roberto Pani (University Sapienza)

09:10 *The ICRP System of Radiological Protection*
Werner Rühm (ICRP Chair)

09:30 *The missions and activities of ICRP*
Christopher Clement (ICRP Scientific Secretary)

09:50 *The ICRP System in consideration to radiation effects*
Dominique Laurier (ICRP Committee 1, Chair)

10:10 *The ICRP system for external and internal exposure*
François Bochud (ICRP Committee 2, Chair)

10:30 *Coffee break*

SESSION 2 / Co-Chairs: Thierry Schneider (ICRP Committee 4, Chair), Marie Claire Cantone (University Milan, ICRP Committee 3)

10:50 *Challenges in nuclear safety and radiation protection*
Massimo Altavilla (ISIN)

11:10 *Radiological Protection in technological research*
Lucia Sarchiapone (INFN)

11:30 *The ICRP System of protection in medical activities*
Kimberly Applegate (ICRP Committee 3, Chair)



11:50 *Challenges and a proposal on optimization in radiation protection*
Francesco Bochicchio (ISS)

12:10 **PANEL DISCUSSION / SESSION 1 AND 2**
Co-Chairs: *Simon Bouffler (ICRP Main Commission),*
Lamberto Matteocci (ISIN)
Panelists: the speakers of session 1 and 2

12:40 *Lunch*

Wednesday September 14, 2022

SESSION 3 / Co-Chairs: *Werner Rühm (ICRP Chair),*
Francesco Bochicchio (ISS)

09:00 *The application of the ICRP Recommendations*
Thierry Schneider (ICRP Committee 4, Chair)

09:20 *Operational capacities and tasks in Fire and Rescue Service,*
concerning nuclear radiation
Emanuele Pianese (Ministry of Interior, National Fire and Rescue Service.
Deputy Head Italian Civil Defence)

09:35 *Future of Radiological Protection: young professional vision*
Davide Bozzato (AIRP), Lorenzo Mazzoni (AIFM), Andrea Magistrelli (SIRM)

10:20 *Coffee break*

SESSION 4 / Co-Chairs: *Christopher Clement, Lucia Sarchiapone (INFN)*

10:40 *Perspective on the Future of Radiological Protection*
Donald A. Cool, Simon Bouffler, Kun-Woo Cho, Gillian Hirth, Michiaki, Kai,
Andrzej Wojcik (ICRP Main Commission)

12:10 **PANEL DISCUSSION / SESSION 3 AND 4**
Co-Chairs: *Dominique Laurier, François Bochud*
Panelists: the speakers of session 3 and 4

13:40 *Concluding remarks*
Werner Rühm, Roberto Pani, Marie Claire Cantone

12:50 *Lunch*

SCIENTIFIC COMMITTEE

Werner Rühm
(ICRP Chair)

Christopher Clement
(ICRP Scientific Secretary, ICRP CEO)

Roberto Pani
(University Sapienza)

Marie Claire Cantone
(University Milan, ICRP Committee 3)

ORGANIZING COMMITTEE

Takashi Yasumune
(ICRP Assistant Scientific Secretary,
and JAEA)

Marco Ripani
(Research Director INFN)

Lamberto Matteocci
(Senior Technical Advisor ISIN)

Christian Di Carlo
(National Center for Radiation
Protection and Computational
Physics, ISS)

Cesare Gori
(University Firenze)

Viviana Frantellizzi
(University Sapienza)

Ivan Veronese
(University Milan)



GENERAL INFORMATION

Participation in the conference is free of charge but pre-registration is essential by filling in and sending the registration form to the organizational secretariat by September 6.

Business lunches on 13 and 14 September and dinner on 14 September are subject to a surcharge.

Booking and payment must be made by September 6, using the registration form.



ORGANIZING SECRETARIAT

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