



Strål
säkerhets
myndigheten

Swedish Radiation Safety Authority



Celebrating 90 Years of Expertise – Radiological Protection in the Next Decade

ICRP and ICRU 90th Anniversary Colloquium
Stockholm, Sweden
October 17-18, 2018



Wednesday 17th October

Session 1

Celebrating 90 years of radiological protection

Chair: Fredrik Hassel, SSM

09:00–09:30 **Registration**

09:30–09:40 Welcoming address by Fredrik Hassel, Deputy DG SSM

09:40–10:00 Leading radiological protection for nearly a century
Claire Cousins, ICRP Chair, UK

10:00–10:10 The legacy of Bo Lindell, ICRP Scientific Secretary (1957-1962)
and Chair (1977-1985)
Jack Valentin, former ICRP Scientific Secretary, Sweden

10:10–10:15 Introduction to Bo Lindell Laureat
Claire Cousins, ICRP, UK

10:15–10:50 Finding common ground between science, ethics, and
experience
Bo Lindell Laureat *Nicole E. Martinez, Clemson University, USA*

10:50–11:20 **Coffee**

11:20–11:35 The role of Nordic countries in the development of radiological
protection
Sigurður Magnússon, DG Geislavarnir Ríkisins, Iceland

11:35–11:40 Introduction to the Gray Medal
Søren Bentzen, ICRU, USA

11.40–12.15 Windows of opportunities in radiation medicine
Gray Medal Laureat *Anders Brahme, Karolinska Institutet, Sweden*

12.15–13.15 **Lunch**



Wednesday 17th October

Session 2

Looking forward to 2028 and beyond:

Advances in science and their impact on radiological protection

Chair: Paul DeLuca, ICRU

- 13:15–13:55** Current issues on second primary cancers after radiotherapy
Laurence Lebaron-Jacobs, CEA, France
- 13:55–14:35** Individual radiosensitivity and possibilities of prediction
Simon Bouffler, Public Health England, UK
- 14:35–15:15** Attributing health effects and inferring risks at low doses
– challenges for the next decades
Wolfgang-Ulrich Müller, University of Duisburg-Essen, Germany
- 15:15–15:45** **Coffee**
- 15:45–16:25** Trending issues with radiation protection for external beam radiation oncology
Thomas R. Mackie, University of Wisconsin, USA
- 16:25–17:30** Panel discussion
Moderator: Andrzej Wojcik, Stockholm University, Sweden
- 17:30** **Mingle at Norra Latin**
Refreshments and snacks



Thursday 18th October

Session 3

Looking forward to 2028 and beyond:
The evolution of radiological protection in society
Chair: Jacques Lochard, ICRP

- 9:00–09:40** What is risk and what are the trends in society on perception of risk?
Anna Olofsson, Mid Sweden University, Sweden
- 09:40–10:20** Radon: Where is the radiation protection world today and what lies ahead?
Per Strand, NRPA, Norway
- 10:20–10:50** **Coffee**
- 10:50–11:30** Protection of the environment: Where is the radiation protection world today and what lies ahead?
David Coplestone, University of Stirling, UK
- 11:30–12:15** Panel discussion
Moderator: Jacques Lochard, ICRP
- 12:15–13:30** **Lunch**

Session 4

Future perspectives on radiological protection

- 13:30–15:00** Panel discussion
Representatives from UNSCEAR, IRPA, NEA, NSFS, ICRP and ICRU give their views on ways forward and discuss future perspectives on radiological protection (with the audience)
Moderator: Ingemar Lund, SSM, Sweden
- 15:00–15:30** Concluding remarks by ICRP, ICRU and SSM