First announcement

ICRP Symposium on Radiological Protection Dosimetry

Historical Review and Current Activities

The University of Tokyo
Thursday, February 18, 2016

Organized by the International Commission on Radiological Protection (ICRP)
with support from Nippon Foundation

Background

lCRP Committee 2 is responsible for the development of dose coefficients for the assessment of internal and external radiation exposures; development of reference biokinetic and dosimetric models, and reference data for workers and members of the public. The Committee and its Task Groups are currently engaged in a large program of work to provide revised dose coefficients that implement the 2007 Recommendations and introduce improvements in methodology.

ICRP Committee 2 works closely with the International Commission on Radiation Units and Measurements (ICRU). It also works with the other ICRP Committees, for example in current work to provide advice on the use of effective dose as a protection quantity.

Objectives of the symposium

ICRP Committee 2 welcomes this opportunity to discuss the current work with Japanese scientists and practitioners, covering topics including:

- Scientific bases of ICRP dose calculations
- Current status of the development of models and data
- Application of the models and data to dose assessments for workers and the public with focus on environmental exposures after accidental releases, risk assessment and radiation monitoring
- Use of Equivalent and Effective Dose as protection quantities
- Research needs and future developments

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Preliminary program

Opening Address

10:00 – 10:10	Structure and Mission of the International Commission on Radiological Protection	John Harrison, C2 Chair

Session 1 – Introduction — **Akira Endo, Session Chair**

10:10 – 10:30	Overview of the ICRP System of Internal and External Dosimetry	Wesley Bolch

Session 2 – Models and Data Used for the Calculation of Dose Coefficients — **Michael Bellamy, Session Chair**

10:30 – 10:55	Computational Phantoms of the Reference Adults – Stylized and Voxel	Maria Zankl
10:55 – 11:20	Polygon Mesh Conversion of the ICRP Reference Phantoms	Chan Kim
11:20 – 11:40	**Coffee Break**	
11:40 – 12:05	Methods of Dose Assessment to the Skeletal Tissues	Derek Jokisch
12:05 – 12:30	Computational Phantoms of Children and Pregnant Females	Choonsik Lee
12:30 – 13:00	Biokinetic Models for Radiological Protection	John Harrison
13:00 – 14:00	**Lunch**	

Session 3 – Dose Coefficients Using ICRP Reference Models and Data — **Kimiaki Saito, Session Chair**

14:00 – 14:25	Reference Dose Coefficients for Occupational External Exposure	Nina Petoussi-Henss
14:25 – 14:50	Reference Dose Coefficients for Environmental Exposure	Helmut Schlattl and Daiki Satoh

Session 4 – Application of Effective Dose and Radiation Monitoring Practice — **KwangPyo Kim, Session Chair**

14:50 – 15:15	Effective Dose and Risk Assessment	John Harrison
15:15 – 15:40	Revisions to ICRU Operational Quantities	Nolan Hertel
15:40 – 16:00	**Coffee Break**	

Session 5 – Research Needed for the ICRP System of Radiological Protection Dosimetry — **John Hunt, Session Chair**

16:00 – 16:30	Issues on the Radiation Weighting Factor	Tatsuhiko Sato
16:30 – 17:00	Dose Assessment of Workers and the Public – Lessons Learned from Fukushima	Osamu Kurihara
17:00 – 17:25	General Discussion of Research Needs	

Concluding Remarks

17:25 – 17:30	Concluding Remarks	John Harrison, C2 Chair

Note: Presentations will be given in English without interpretation.

Registration

Attendance at the symposium is free of charge. However, advance registration is required as attendance is limited to 200 people.

Please send your name, affiliation, and e-mail address to:
Akira Endo (Japan Atomic Energy Agency), ICRP Committee 2
e-mail: ICRP-symposium@jaea.go.jp

Symposium venue

Room number 221,
Faculty of Engineering Bldg.2,
Hongo Campus, the University of Tokyo

Access to Hongo Campus
http://www.t.u-tokyo.ac.jp/etpage/access/

Location of the Faculty of Engineering Bldg.2,
http://www.u-tokyo.ac.jp/campusmap/cam01_04_03_e.html