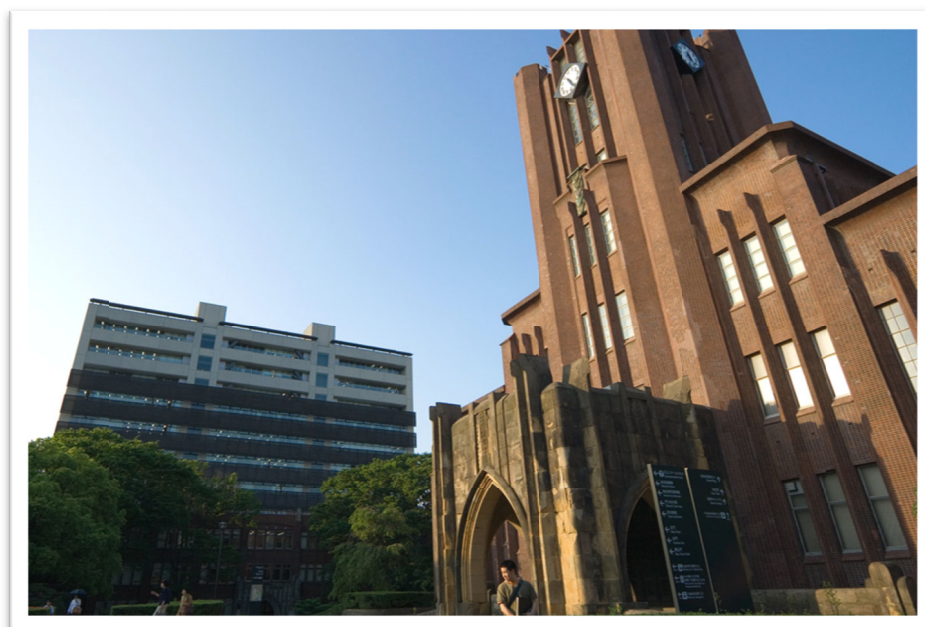


Second announcement

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

ICRP INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION


THE NIPPON
FOUNDATION

Photograph on the cover: Faculty of Engineering Building 2 (left) and the Yasuda Auditorium (right) in Hongo Campus, the University of Tokyo. The photograph is reprinted courtesy of "UT-Life" of the University of Tokyo.

<http://www.ut-life.net/>

Background

ICRP Committee 2 is engaged in 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

Registration

Attendance at the symposium is free of charge. However, advance registration is required. Please send your name, affiliation, and e-mail address to:

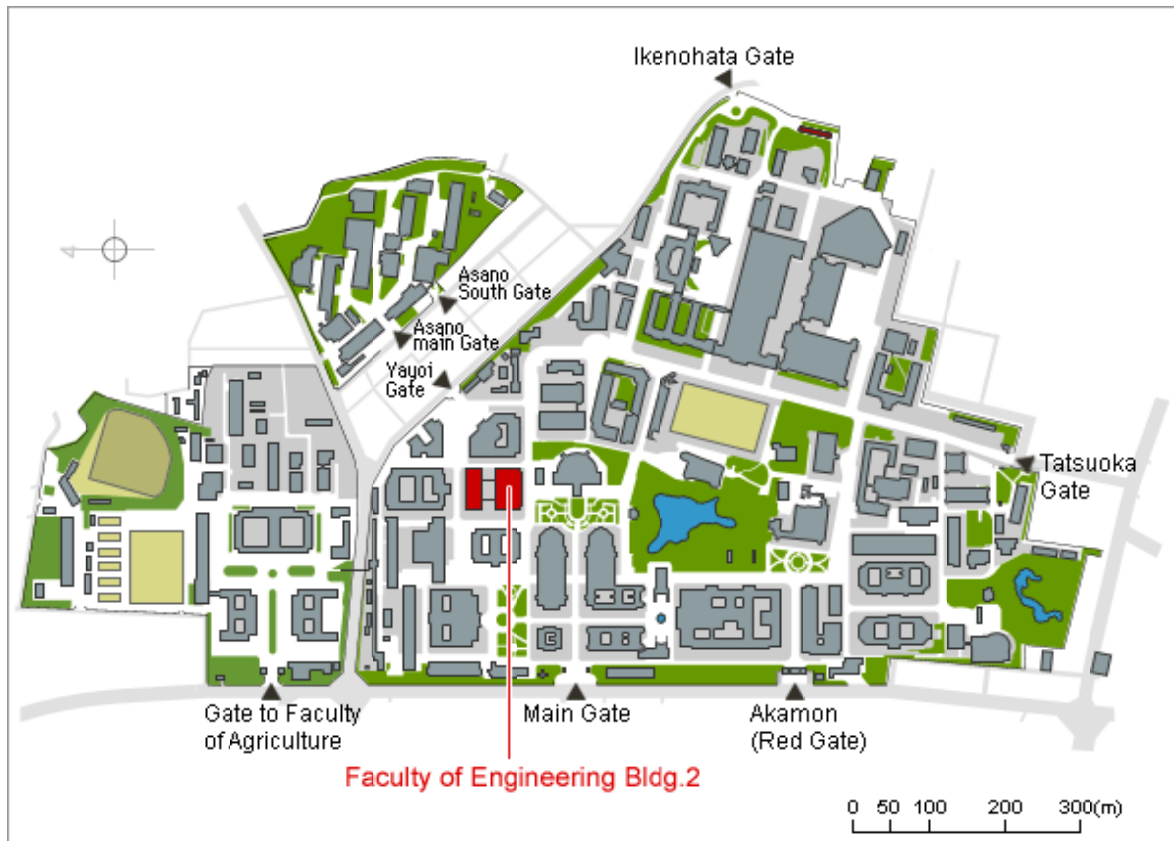
Akira Endo (Japan Atomic Energy Agency), ICRP Committee 2
e-mail: ICRP-symposium@jaea.go.jp

Symposium venue

Room 221, Faculty of Engineering Building 2, Hongo Campus, the University of Tokyo

Access to the Hongo Campus

<http://www.t.u-tokyo.ac.jp/etpage/access/>



Faculty of Engineering Building 2 Yasuda Auditorium



Map of Hongo Campus and location of Room 221

Coffee break and lunch

Coffee will be served during the morning and afternoon breaks. Participants could visit for lunch the restaurants and cafeterias of the university campus. Information on restaurants and shops is available at: www.u-tokyo.ac.jp/content/400002228.pdf

Program

Registration starts at 9:30

Opening Address

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

Session 1 – Introduction

10:10 – 10:30 Overview of the ICRP System of Internal and External Dosimetry
Akira Endo, Session Chair
Wesley Bolch

Session 2 – Models and Data Used for the Calculation of Dose Coefficients

10:30 – 10:55 Computational Phantoms of the Reference Adults – Stylized and Voxel
10:55 – 11:20 Polygon Mesh Conversion of the ICRP Reference Phantoms
Michael Bellamy, Session Chair
Maria Zankl
Chan Hyeong Kim

11:20 – 11:40 Coffee Break

11:40 – 12:05 Methods of Dose Assessment to the Skeletal Tissues
12:05 – 12:30 Computational Phantoms of Children and Pregnant Females
12:30 – 13:00 Biokinetic Models for Radiological Protection
Derek Jokisch
Choonsik Lee
John Harrison

13:00 – 14:00 Lunch

Session 3 – Dose Coefficients Using ICRP Reference Models and Data

14:00 – 14:25 Reference Dose Coefficients for Occupational External Exposure
14:25 – 14:50 Reference Dose Coefficients for Environmental Exposure
Kimiaki Saito, Session Chair
Nina Petoussi-Henss
Helmut Schlattl

Session 4 – Application of Effective Dose and Radiation Monitoring Practice

14:50 – 15:15 Effective Dose and Risk Assessment
15:15 – 15:40 Revisions to ICRU Operational Quantities
KwangPyo Kim, Session Chair
John Harrison
Nolan Hertel

15:40 – 16:00 Coffee Break

Session 5 – Research Needed for the ICRP System of Radiological Protection Dosimetry

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

Concluding Remarks

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

Note: Presentations will be given in English without interpretation