

Second North American Workshop

on the Ethical Dimensions of
the System of Radiological Protection

March 10-12, 2015

For information or to register contact:
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**SECOND
ANNOUNCEMENT**



*Belfer Center for Science and International Affairs
John F. Kennedy School of Government
Harvard University
79 John F. Kennedy Street - Cambridge, MA 02138 - USA*

Hosted by:

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HARVARD Kennedy School
BELFER CENTER for Science and International Affairs



The International Commission
on Radiological Protection

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The **International Commission on Radiological Protection (ICRP)** has established Task Group 94 to develop a publication on the ethical foundations of the system of radiological protection, aiming to consolidate the basis of ICRP's recommendations, to improve the understanding of the system and to provide a basis for communication on radiation risk and its perception.

To support this effort, a series of regional workshops is being held. The first in this series were held in Daejeon (Korea), Milan (Italy), and Baltimore (USA), supported by the local Associate Societies of the International Radiation Protection Association.

Collaboration between radiological protection professionals and applied ethicists in these and other related workshops has resulted in significant progress, including identifying and characterising some of the key values that underlie the system of radiological protection.

A second series of regional workshops is planned for 2015, including meetings in Madrid (Spain) February 4-6, Fukushima City (Japan) June 2-4, and this one in Cambridge (USA) March 10-12.

Continuing education credits will be requested from the ABHP for attendance.

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Address: Harvard Kennedy School, 79 JFK Street, Cambridge, Massachusetts, USA

Plenary Meeting room: Nye A, 5th floor Taubman building
(Taubman is the building facing Eliot Street, next door to the Charles Hotel Plaza)

Breakout Sessions: Nye A (5th floor Taubman building) and Taubman-401 (4th floor Taubman building)

Organizing Committee: Behnam Taebi, Christopher Clement, Jacques Lochard, and Dick Toohy

Day 1: Tuesday 10 March 2015 – chaired by Behnam Taebi

09:00-09:30 Registration

09:30-10:30 Opening of the workshop

- Jacques Lochard: ICRP's recent efforts to revise its recommendations

- Kunwoo Cho & Chieko Kurihara: ICRP Task Group 94 on the Ethics of Radiological Protection

10:30-11:00 Coffee break

11:00-12:30 Stephen Gardiner - Revising the Principles of Radiological Protection

12:30-13:30 Lunch break

13:30-15:00 Sheila Jasanoff - Imaginaries of Risk and the Ethics of Radiation Protection

15:00-15:30 Coffee break

15:30-17:00 Friedo Zölzer - "Common Morality" Approaches for the Ethics of Radiological Protection

Day 2: Wednesday 11 March 2015 – chaired by Christopher Clement

09:00-10:30 Behnam Taebi - Bridging the Gap between Social Acceptance and Ethical Acceptability

10:30-11:00 Coffee break

11:00-12:00 General discussion

12:00-12:30 Christopher Clement - Introduction to the questions addressed in the breakout sessions

12:30-13:30 Lunch break

13:30-17:00 Breakout sessions

Day 3: Thursday 12 March 2015 – chaired by Jacques Lochard

09:00-10:30 Continuing breakout sessions

10:30-11:00 Coffee break

11:00-11:30 Reporting back to the plenary session

11:30-12:30 General discussion

12:30-13:00 Summary of the findings (Behnam Taebi) + closing remarks (Jacques Lochard)

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The breakout groups will address the following questions:

What are the key elements of the principles of beneficence, justice, dignity, and prudence as they relate to the ethical basis of the system of radiological protection? Draft practical definitions of each for this context.

Are these four principles a sufficient ethical basis for the system of radiological protection? If not, what is missing?

Session Chairs and Speakers:

Christopher Clement, Scientific Secretary, International Commission on Radiological Protection

Christopher Clement has dedicated more than 25 years to radiological protection, first on remediation of radioactively contaminated sites across Canada, and later in a number of positions within the Canadian Nuclear Safety Commission culminating in Director of Radiation Protection. In 2008 he was appointed as Scientific Secretary of the International Commission on Radiological Protection (ICRP), where he oversees the daily operations of the organisation and is the Editor-in-Chief of the Annals of the ICRP. In addition to his full-time ICRP duties, he is a member of the Executive Council of the International Radiation Protection Association.

Stephen Gardiner, Professor of Philosophy, University of Washington

Stephen M. Gardiner is Professor of Philosophy and Ben Rabinowitz Endowed Professor of Human Dimensions of the Environment at the University of Washington, Seattle. His main areas of interest are ethical theory, political philosophy and environmental ethics. He is the author of *A Perfect Moral Storm: the Ethical Tragedy of Climate Change* (Oxford, 2011), the coordinating co-editor of *Climate Ethics: Essential Readings* (Oxford, 2010), and the editor of *Virtue Ethics: Old and New* (Cornell, 2005).

Sheila Jasanoff, Professor of Science and Technology Studies, Harvard Kennedy School

Sheila Jasanoff is Pforzheimer Professor of Science and Technology Studies at the Harvard Kennedy School. A pioneer in her field, she has authored more than 100 articles and chapters and is author or editor of a dozen books, including *Controlling Chemicals*, *The Fifth Branch*, *Science at the Bar*, and *Designs on Nature*. Her work explores the role of science and technology in the law, politics, and policy of modern democracies, with particular attention to the nature of public reason. She was founding chair of the STS Department at Cornell University and has held numerous distinguished visiting appointments in the US, Europe, and Japan. Jasanoff served on the Board of Directors of the American Association for the Advancement of Science and as President of the Society for Social Studies of Science. Her grants and awards include a 2010 Guggenheim Fellowship and an Ehrenkreuz from the Government of Austria. She holds AB, JD, and PhD degrees from Harvard, and an honorary doctorate from the University of Twente.

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Jacques Lochard, Vice-Chair, International Commission on Radiological Protection

Jacques Lochard is Director of the Nuclear Protection Evaluation Centre (CEPN) in France. Economist by training, his main contribution in radiation protection has been in the development of methodologies and implementation tools in optimisation of radiological protection. Since 1990 he has been involved in projects on the rehabilitation of living conditions in the contaminated territories of Belarus and now in several activities in Japan related to the Fukushima accident. He has been President of the French Society of Radiation Protection, Chairman of the Committee on Radiation Protection and Public Health of the Nuclear Energy Agency of the OECD and Executive Officer of the International Radiation Protection Association. He is currently Vice-Chair of ICRP.

Behnam Taebi, Assistant professor of Philosophy, Delft University of Technology and Research Fellow, Harvard Kennedy School

Behnam Taebi is an Assistant Professor of philosophy at Delft University of Technology, and a Research Fellow at Harvard Kennedy School's Belfer Center for Science and International Affairs. His research interests are in energy ethics, responsible innovation and nuclear ethics. He studied Material Science and Engineering (2006) and received his Ph.D. in Philosophy of Technology (2010). Taebi is working on a project on 'ethics and governance of multinational nuclear waste repositories'. He is the coordinating editor of a forthcoming volume on The Ethics of Nuclear Energy (Cambridge University Press) and a special issue of Journal of Risk Research on "Socio-Technical Challenges of Nuclear Power Production." Taebi is currently based in Cambridge (Massachusetts), where he spends a sabbatical year at Harvard University. He is involved in the Belfer Center's 'Project on Managing the Atom' and 'International Security Program'.

Richard Toohey, National Council on Radiation Protection and Measurements

Richard Toohey received his PhD in physics from the University of Cincinnati in 1973. He spent the first part of his career at Argonne National Laboratory in both research and operational health physics. He recently retired from Oak Ridge Associated Universities, where he served as director of the Radiation Internal Dose Information Center, as Senior Health Physicist for the Radiation Emergency Assistance Center/Training Site, Director of Dose Reconstruction Programs, and Associate Director of the Independent Environmental Assessment and Verification Program. He is currently employed by M.H. Chew and Associates. He is certified in comprehensive practice by the American Board of Health Physics, was the 2008 to 2009 President of the Health Physics Society, is a member and director of NCRP, Treasurer of the International Radiation Protection Association, and Chair of the Scientific Advisory Committee for the U.S. Transuranium and Uranium Registries. His specialties are internal radiation dosimetry, dose reconstruction, and radiological emergency response. Dr. Toohey has 125 publications in the open literature, and is a retired Lt. Colonel, U.S. Army Reserve.

Friedo Zölzer, Professor of Environmental Sciences and Radiobiology, University of South Bohemia

Friedo Zölzer is Professor of Environmental Sciences and Radiobiology, and the head of the Department of Radiology, Toxicology and Civil Protection at Faculty of Health and Social Studies, University of South Bohemia in České Budějovice. Prof. Zölzer organized a Symposium on Ethics of Environmental Health in Prague, September 2011. He was also the main organizer of the 2nd International Symposium on Ethics of Environmental Health which was held in České Budějovice, June 2014. He is the coordinator of the ethics component of OPERRA (Open Project for the European Radiation Research Area), which is a project within the EURATOM programme "Nuclear Fission, Safety and Radiation Protection", supposed to create a road-map for European radiation research for the next decades. He is a member of the ICRP Task Group 94 "Ethics of Radiation Protection" and a member of the Committee "Non-ionizing radiation" of the German Radiation Protection Commission.