

International Expert Symposium in Fukushima

—Radiation and Health Risks —

September 11-12, 2011, at Fukushima, Japan

(as of Aug. 30, 2011)

Sunday, September 11

8:00 -9:00 **Registration**

9:00- **Opening Addresses:**

Introduction : Kenzo Kiikuni (Sasakawa Memorial Health Foundation, Japan)
 David L. Heymann (Chatham House Centre on Global Health Security, UK)

Speakers: Yohei Sasakawa (The Nippon Foundation, Japan)
 Shin-ichi Kikuchi (Fukushima Medical University, Japan)
 Video message by Margaret Chan (Director General, World Health
 Organization)

9:45- **Keynote Speeches**

The accident, the workers and the public
 Makoto Akashi (National Institute of Radiological Sciences, Japan)

*The recommendations of the International Commission on Radiological Protection
vis-à-vis the Fukushima Dai-ichi NPP accident aftermath*
 Abel Julio González (International Commission on Radiological Protection; Autoridad
 Regulatoria Nuclear, Argentina)

11:00-12:30 **Session I: Facts of Fukushima**

Co-chairs: Seiichi Takenoshita (Fukushima Medical University, Japan)
 Kazuhiko Maekawa (University of Tokyo, Japan)

Radioactive contamination of the environment and radiation doses to the public
 Toshimitsu Homma (Japan Atomic Energy Agency)

Experience and Lesson from Fukushima Daiichi Nuclear Disaster
 Kenji Kamiya (Hiroshima University, Japan)

Internal exposure caused by the Fukushima Nuclear Accident
 Kazuo Sakai (National Institute of Radiological Sciences, Japan)

12:30-13:30 Lunch Break

13:30-15:15 **Session II: Low-level Irradiation and Health, Challenges Involved in Emergency Medicine**

Co-Chairs: Yoshiharu Yonekura (National Institute of Radiological Sciences, Japan)
Timothy Walker (Former Health and Safety Executive, UK)

Medical effects and risks of exposure to ionizing radiation
Fred Mettler Jr (University of New Mexico, USA)

Epidemiological investigations of aircrew - an occupational group with low-level cosmic radiation exposure
Hajo Zeeb (Bremen University, Germany)

Health risks associated with environmental radiation exposures
Scott Davis (University of Washington, USA)

Emergency medical preparedness for radiological/nuclear incidents
Norman Coleman (National Cancer Institute, USA)

Radiation epidemiology: a perspective on Fukushima
John Boice (International Epidemiology Institute, USA)

15:15-15:30 Coffee Break

15:30-16:15 **Session IIIa: Dose, Dosimetry and Dose Estimations of Contaminated Areas**

Co-Chairs: Toshiteru Okubo (Radiation Effect Research Foundation, Japan)
Wolfgang Weiss (Federal Office for Radiation Protection, Germany)

Dosimetric quantities in radiological protection and in risk assessments
Hans-Georg Menzel (European Organization for Nuclear Research, Switzerland)

Estimation of internal radiation dose from both immediate releases and continued exposures to contaminated materials
Bruce Napier (Pacific Northwest National Laboratory, USA)

Chernobyl accident and fallout from nuclear weapons tests: dosimetry, countermeasures, and epidemiology
Andre Bouville (National Cancer Institute, USA)

16:15-17:00 **Session IIIb: Radiobiology and Radioepidemiology**

Co-Chairs: Toshiteru Okubo (Radiation Effect Research Foundation, Japan)
Wolfgang Weiss (Federal Office for Radiation Protection, Germany)

Implication of stem cells in radiation risks of in utero exposures and low dose rate
Ohtsura Niwa (Kyoto University, Japan)

Radiation and cancer risk in atomic bomb survivors
Kazunori Kodama (Radiation Effect Research Foundation, Japan)

19:00 **Reception at Fukushima View Hotel**

Monday, September 12

9:30-11:00 Session IV: Lessons Learned from the Chernobyl Accident

Co-Chairs: Kiyohiko Mabuchi (National Cancer Institute, USA)
Arthur Schneider (University of Illinois at Chicago, USA)

Lessons of Chernobyl and prognosis for Fukushima: radiological consequences
Victor Ivanov (Medical Radiological Research Center, Ministry of Health and
Social Development of the Russian Federation, Russia)

Chernobyl Experience in the Area of Retrospective Dosimetry
Vadym Chumak (National Academy of Medical Sciences of Ukraine, Ukraine)

*Thyroid cancer in Ukraine following the accident at the Chernobyl Nuclear Power Plant (in the
framework of the Ukraine-American Thyroid Project)*
Nikolai D. Tronko (Ukrainian Research Institute of Endocrinology and Metabolism,
Ukraine)

Mental health consequences of the Chernobyl accident
Evelyn J. Bromet (Stony Brook University, USA)

Chernobyl thyroid tissue bank: integrating research on radiation-induced thyroid cancer
G A Thomas (Imperial College London, UK)

11:00-11:15 Coffee Break

11:15-12:45 Session V: Radiation Safety and Guidelines Regarding Health Risks

Co-Chairs: Akihiro Shima (Institute for Environmental Sciences, Japan)
Christopher H. Clement (International Commission on Radiological Protection,
Canada)

Radiation protection principles
John R. Cooper (Center for Radiation, Chemical and Environmental Hazard, Health
Protection Agency, UK)

Cancer models and radiation protection
Richard Wakeford (University of Manchester, UK)

*Protection of people living in long term contaminated areas after a nuclear accident: the
recommendation of ICRP Publication 111*
Jacques Lochard (Centre d'étude sur l'Evaluation de la Protection dans le domaine
Nucléaire, France)

*Some lessons on radiological protection learned from the accident of the Fukushima Daiichi
nuclear power plant*
Michiaki Kai (Oita University, Japan)

12:45-13:45 Lunch Break

13:45-14:45 Session VI: Discussion and Recommendations

Co-Chairs: Abel Julio González (International Commission on Radiological Protection,
 Autoridad Regulatoria Nuclear, Argentina)
 Shunichi Yamashita (Fukushima Medical University, Nagasaki University, Japan)

Comments:

Public reactions in Korea upon the Fukushima accident and its implications
Jaiki Lee (Hanyang University, Korea)

*Preparing a scientific report to the General Assembly on Exposures due to the nuclear
accident following the Great East-Japan earthquake and tsunami" – the current status of
UNSCEAR activities*
Wolfgang Weiss (Federal Office for Radiation Protection, Germany)

WHO's Public Health Agenda in Response to the Fukushima Daiichi Nuclear Accident
Emilie van Deventer (World Health Organization)

Igor Gusev (International Atomic Energy Agency)

Jan Wondergrem (International Atomic Energy Agency)

14:45-15:00 Coffee Break

15:00-16:00 Session VI, (continued)

Discussions
Recommendations

16:00-16:30 Closing of the Symposium

Speakers: Kenzo Kiikuni (Sasakawa Memorial Health Foundation, Japan)
 David L. Heymann (Chatham House Centre on Global Health Security, UK)

17:00-18:00 Press Conference