



Third European IRPA Congress



NSFS

Radiation protection – science, safety and security

14 – 18 June 2010
Helsinki, Finland
www.irpa2010europe.com



FIRST ANNOUNCEMENT

Dear colleagues from all over Europe and beyond

The Nordic Radiation Protection Society (NSFS) has the honour to invite you to the regional European IRPA Congress in Helsinki in 14–18 June, 2010. This is the third European IRPA congress. The two preceding congresses in 2002 and 2006 were held in Florence, Italy and in Paris, France. The Nordic Radiation Protection Society represents all five Nordic countries, Iceland, Finland, Denmark, Norway and Sweden, and it also has members from the Baltic States. The Nordic radiation protection experts and authorities will arrange a congress covering all radiation protection topics and offering an opportunity for high-level and open discussion about the latest findings in radiation research and challenges in radiation safety and security. Helsinki and its long, bright mid-summer days open up an excellent setting for the Congress.

The Congress slogan "Radiation protection – science, safety and security" expresses the tight connection between these cornerstones in striving to achieve high level radiation protection. Our aim is to provide an overview of the international state of the art of the radiation protection system for ionising and non-ionising radiation and thematic sessions on the latest developments in the field. We are pleased to invite professionals from all over Europe and beyond to give their contribution to the program.

Science Safety Security Radiation Protection

International Organisations Forum provides an overview over the latest standards and developments regarding various aspects of radiation protection. IAEA, ICRP, ICNIRP, EC, WHO, OECD/NEA will be represented. Plenary sessions with keynote speakers will further highlight major advancements in science, safety and security.

Several scientific and technical sessions deal with current topical issues in more detail. Each session features an invited speaker giving an introduction to the field, and selected oral contributions of general interest. Poster sessions provide an opportunity for discussion and networking. Moreover, refresher courses given by recognised experts offer professional training in radiation protection.

Associated Societies Forum will bring together the European societies to discuss current professional issues and themes on international collaboration.

Visit www.irpa2010europe.com to find more information on the third European IRPA Congress.

We look forward to meeting you in Helsinki in 2010.



Lars-Erik Holm
Congress president



Sigurður Magnússon
President of NSFS



Sisko Salomaa
Chair of the scientific programme committee



Raimo Mustonen
Chair of the local organising committee

Organisation

Congress president

Lars-Erik Holm

Scientific programme committee

Chair Sisko Salomaa

Scientific secretariat

Tua Rahola

Oleg Belyakov

Members

Andor Andrasi, Hungary

Mikhail Balonov, Russia

Michel Bourguignon, France

Borut Breznik, Slovenia

Marie Claire Cantone, Italy

Zhanat Carr, WHO

John Croft, United Kingdom

Renate Czarwinski, Germany

Yuri Franken, The Netherlands

Norman Gentner, UNSCEAR

Klaus Henrichs, Germany

Augustin Janssens, EC

Jukka Juutilainen, Finland

Pierre Kockerols, Belgium

Ted Lazo, OECD/NEA

Bernard Le Guen, France

Sigurður Magnússon, Iceland

Irena Malatova, Czech Republic

Franz Josef Maringer, Austria

Constantin Milu, Romania

Gendrutis Morkunas, Lithuania

J. J. F. Quintela De Brito, Portugal

Maria Ranogajec-Komor, Croatia

Seppo Soimakallio, Finland

Dina Solatie, Finland

Per Strand, Norway

Jens Søgaard-Hansen, Denmark

Harri Toivonen, Finland

Jack Valentin, ICRP

Paolo Vecchia, ICNIRP

Eva Wallström, Sweden

Mette Øhlenschlaeger, Denmark

IAEA representative

ICRU representative

Local organising committee

Chair Raimo Mustonen

Secretary general

Wendla Paile

Members

Ritva Havukainen, Finland

Tarja K. Ikäheimonen, Finland

Carsten Israelson, Denmark

Hannu Järvinen, Finland

Marja-Leena Järvinen, Finland

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Carl-Göran Lindvall, Sweden

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Maarit Muikku, Finland

Sigurður Emil Pálsson, Iceland

Raija Seuri, Finland

Pia Vesterbacka, Finland

Olli Vilkkamo, Finland

Tor Wøhni, Norway

Contributing organisations

STUK – Radiation and Nuclear Safety Authority

Swedish Radiation Safety Authority

NRPA – Norwegian Radiation Protection Authority

GR – Icelandic Radiation Protection Institute

NKS – Nordic Nuclear Safety Research

Radiological Society of Finland

EC – European Commission

IAEA – International Atomic Energy Agency

WHO – World Health Organization

OECD/NEA – OECD/Nuclear Energy Agency

ICNIRP – International Commission on

Non-Ionizing Radiation Protection

ICRU – International Commission on

Radiation Units & Measurements

UNSCEAR – United Nations Scientific Committee on the Effects of Atomic Radiation

Liasons committee

Chair Jorma Aurela, Finland

Members

Magnus von Bonsdorff, Finland

Carl-Gustaf Standertskjöld-Nordenstam, Finland

Congress topics

Radiation detection technologies

Radionuclide analytics

Dosimetry

Biological and health effects of ionising radiation

Radiation protection recommendations, standards and regulations

Radiation protection of workers

Radiation protection of patients

Radiation protection of the public

Radiation protection of the environment

Non-ionising radiation protection

Nuclear and radiological emergencies and incidents

Nuclear security and malevolent use of radiation

Natural radiation

Radiation in the environment

Waste management and decommissioning

Radiation and the society

Education and training

The scope of the program is broad, covering all fields of ionising and non-ionising radiation, ranging from detection methods and dosimetry to societal issues. Biological and health effects of ionising radiation focus on low dose risk, and presentations on topics like non-cancer effects and individual sensitivity are foreseen.

In line with the new ICRP recommendations, the program includes the three main categories of exposure situations: planned, emergency and existing exposures. Special areas of interest in planned exposure are e.g. medical exposure of pediatric patients, PET (PET/CT), justification applied to individual patients, radiation protection in radiotherapy, clinical audits, and new medical techniques. Justification, optimisation and ethics are always in focus.

As regards to emergency situations, recent efforts to improve security include prevention of illicit trafficking, security of sealed sources and security at major public events. New technological opportunities that help improve safety and aid law enforcement personnel dealing with such situations are described. Learning from recent accidents will help to mitigate similar incidents in the future.

Natural radiation in the environment, like radon, may cause significant major public exposure and require immediate mitigation actions. Also naturally occurring radioactive substances in various raw materials (NORM) and industrial by-products and wastes often call for radiation protection actions. NORM materials may need special attention, e.g. in mining, milling or processing of various natural materials, as also in oil and gas production. Reports on experiences concerning the new framework for radiation protection of the biota are encouraged.

The importance of non-ionising radiation protection is increasing along with the number of electronic devices and wireless communication used in modern society. In addition, occupational exposure to magnetic fields in magnetic resonance imaging is an important topic in this congress.



Tentative outline of programme

	13 Sun June	14 Mon June	15 Tue June	16 Wed June	17 Thu June	18 Fri June	
Morning		Technical visits (e.g. Olkiluoto NPP and waste depository)	Opening ceremony International Organisations Forum	Refresher courses Scientific sessions	Refresher courses Scientific sessions	Refresher courses Scientific sessions	
Afternoon	Travel to Olkiluoto	Registration Get together party	Lunch				
			Scientific sessions Reception, City of Helsinki	Scientific sessions IRPA Associated Societies Forum	Scientific sessions Congress dinner	Concluding session and closing ceremony	

International Organisations Forum

- European Commission
- IAEA
- ICNIRP
- ICRP
- ICRU
- IRPA
- OECD/NEA
- UNSCEAR
- WHO

Scientific sessions – invited keynote speakers, selected oral contributions and poster presentations

Technical exhibition



Important dates

Early registration opening	November 2008
Second Announcement and Call for Papers	March 2009
Abstracts reception deadline	September 2009
Notification of acceptance	December 2009
Submission of full papers	April 2010
European IRPA 2010 Congress	14 – 18 June 2010

General information

Local host

NSFS – Nordic Society for
Radiation Protection
STUK – Radiation and Nuclear
Safety Authority



Congress language

The official language of the Congress will be English. The submitted abstracts, full papers, general correspondence and Congress sessions will be in English.

Publication of the proceedings

Full papers of the Congress will be published on a CD-ROM and a book of abstracts will be provided.

Congress venue

The Congress will take place at the Finlandia Hall, in the heart of Helsinki, on the bank of the Gulf of Töölönlahti. www.finlandiatalo.fi/en

Refresher courses

Morning refresher courses led by distinguished specialists will take place in the Finlandia Hall premises.

Technical exhibition

Contact: pia.vesterbacka@stuk.fi

Social programme

There will be an attractive social programme for participants and accompanying persons.

Further information and registration

www.irpa2010europe.com

Participants are kindly invited to send an informal expression of interest to irpa2010europe@congrex.fi

