International Symposium on Standards, Applications and Quality Assurance in Medical Radiation Dosimetry (idos)

9–12 November 2010
Vienna, Austria

Organized by the International Atomic Energy Agency

IN COOPERATION WITH
American Association of Physicists in Medicine (AAPM)
Asia-Oceania Federation of Organizations for Medical Physics (AFOMP)
Asociación Latinoamericana de Física Médica (ALFIM)
Bureau International des Poids et Mesures (BIPM)
European Commission (EC)
European Federation of Organisations for Medical Physics (EFOMP)
European Society for Therapeutic Radiology and Oncology (ESTRO)
International Commission on Radiological Protection (ICRP)
International Commission on Radiation Units and Measurements (ICRU)
International Organization for Medical Physics (IOMP)
Institute of Physics and Engineering in Medicine (IPEM)
Society of Nuclear Medicine (SNM)
United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR)
World Federation of Nuclear Medicine and Biology (WFNMB)

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OBJECTIVE
The symposium provides a forum where advances in medical radiation dosimetry and applications in medicine during the last decade can be disseminated and scientific knowledge exchanged. The focus is on developments in dosimetry for external beam radiotherapy, brachytherapy, diagnostic radiology and nuclear medicine. It also includes dosimetry aspects of radiation protection related to these areas.

LIST OF TOPICS
• Radiation measurement standards for imaging and therapy
• Reference dosimetry and comparisons in external beam radiotherapy
• Reference dosimetry and comparisons in brachytherapy
• Clinical dosimetry in X ray imaging
• Clinical dosimetry in radiotherapy
• Internal dosimetry for diagnostic and therapeutic nuclear medicine
• External quality audits
• Radiation protection dosimetry
• Dosimetry for proton and heavier charged particle beams in radiotherapy

PAPERS AND POSTERS
Papers are invited from participants on any of the topics being covered by the symposium. In order to provide ample time for discussion, the number of papers that can be accepted for oral presentation is limited. If the number of papers submitted for selection exceeds the limit, some will be selected for poster presentation.

KEY DEADLINES
16 April 2010
— Submission of synopsis: Paper Submission Form B together with Participation Form A through official channels to the IAEA

31 May 2010
— Notification of paper acceptance to authors
— Travel grant: Grant Application Form C together with Participation Form A through official channels to the IAEA

30 September 2010
— Submission of full papers through symposium.dosimetry@iaea.org

AUDIENCE
The symposium is addressed to a broad spectrum of experts in medical radiation dosimetry with responsibilities in external beam radiotherapy, brachytherapy, X ray and nuclear medicine imaging, therapeutic nuclear medicine, proton and heavier charged particle beams therapy, and radiation protection. The symposium provides an opportunity to users in medical institutions, universities and research centres to meet representatives of international bodies governing dosimetry protocols and nomenclature as well as scientists from standards laboratories for discussions covering the entire dosimetry chain in various applications.