

CONFERENCE SECRETARIAT

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Conference web page

<https://www.iaea.org/events/idos2019>

Please include reference number
IAEA-CN-273 in all communications.

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LIST OF CO-OPERATING ORGANIZATIONS

AAPM	American Association of Physicists in Medicine
AFOMP	Asia–Oceania Federation of Organizations for Medical Physics
BIPM	International Bureau of Weights and Measures
EANM	European Association of Nuclear Medicine
EFOMP	European Federation of Organizations for Medical Physics
ESR	European Society of Radiology
ESTRO	European Society for Radiotherapy and Oncology
EURADOS	European Radiation Dosimetry Group
GHG	Global Clinical Trials Radiation Therapy Quality Assurance Harmonization Group
ICRP	International Commission on Radiological Protection
ICRU	International Commission on Radiation Units and Measurements
IOMP	International Organization for Medical Physics
ISO	International Organization for Standardization
MPWB	Medical Physics for World Benefit
SEAFOMP	South East Asian Federation of Organizations for Medical Physics
SNMMI	Society of Nuclear Medicine and Molecular Imaging
UICC	Union for International Cancer Control
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation

International Symposium on

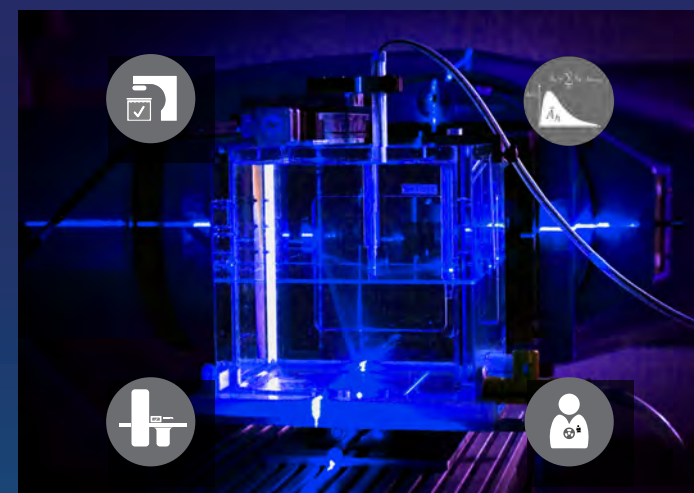
Standards, Applications and Quality Assurance in Medical Radiation Dosimetry

18–21 June 2019 Vienna, Austria

Organized by the International Atomic Energy Agency

50
YEARS
1969 – 2019
of IAEA/WHO
Dosimetry Audits

IDOS 2019



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Objectives

The major goal of the symposium is to provide a forum at which advances in radiation dosimetry, radiation medicine, radiation protection and associated standards made over the last decade can be disseminated and scientific knowledge exchanged. It will cover all specialties in radiation medicine and radiation protection, with a specific focus on those areas where the standardization of dosimetry has improved in recent years (advanced radiotherapy, diagnostic radiology, nuclear medicine and audits). It will also summarize the present status of, and outline future trends in, medical radiation dosimetry and identify possible areas for improvement. The conclusions and summaries from the symposium should lead to the formulation of recommendations for the scientific community.

Topics

The symposium will cover recent developments in the field of radiation dosimetry standards, applications and quality assurance. The IAEA welcomes both academic and practice based contributions on the following topics:

- Radiation dosimetry measurement standards for imaging, therapy and radiation protection
- Reference dosimetry and comparisons in brachytherapy, diagnostic radiology and nuclear medicine
- Clinical dosimetry in X ray imaging, radiotherapy and nuclear medicine
- Independent dosimetry quality audits
- Radiation protection dosimetry
- Dosimetry for proton and light ion beams in radiotherapy
- Detector technology and applications in dosimetry
- Other related topics including microdosimetry, nanodosimetry, dosimetry of small animal irradiators and more

Audience

This symposium will be of interest to a broad spectrum of medical physicists and other scientists working in radiation dosimetry with responsibilities in the following fields: radiation metrology, external beam radiotherapy with photons, electrons and light ions, brachytherapy, radiology (including CT, mammography and interventional procedures), nuclear medicine (including radiopharmaceutical therapy) and radiation protection dosimetry.

The symposium will serve as an opportunity for scientists in medical institutions, research centres, universities and standards laboratories to meet for discussions covering the entire dosimetry chain.

The IAEA welcomes and encourages the participation of women, early career professionals and individuals from developing countries.

Programme Structure

The symposium will consist of 16 sessions: four sessions per day of approximately 90 minutes each, including the opening session, educational courses, a series of topical sessions with oral and poster presentations, a session for poster highlights and three round-table discussion sessions.

The opening session will include welcoming addresses followed by two keynote presentations on the history of dosimetry and the main developments in dosimetry since the previous IAEA symposium on the topic (IDOS 2010), which was held in Vienna in November 2010.

A series of topical sessions (four plenary) will then cover selected areas of medical radiation dosimetry, from standards laboratories to the medical applications in radiotherapy, diagnostic radiology and nuclear medicine.

Poster presentations for each topic will be an important component of the symposium, and their display will be maintained during the symposium. A plenary session will be dedicated to the highlights of the posters. The rapporteurs will summarize each of the sessions and prepare recommendations.

On days 1 to 3, a plenary session will be dedicated to a round-table discussion.

The symposium will include a plenary session to highlight fifty years of IAEA/World Health Organization (WHO) dosimetry audits.

Key Deadlines

15 December 2018: Electronic submission of synopsis including submission of Forms A and B through official channels

15 December 2018: Submission of Grant Application (Form C) and Participation Form (Form A) through official channels

End of January: Notification of acceptance of paper

Registration

No registration fee is charged.

All participants should:

- Submit Participation Form A through their national authority or one of the co-operating organizations listed on the back of this flyer; and
- Register online at <https://www.iaea.org/events/idos2019>

Language

The symposium will be held in English.

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