

Medical physics webinars series

Organisers:



Thursday, December 02, 2021, 14:00 (CET), webinar on

Traceability of Radiation Dose Measurements

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Radiation dose measurements are an important part of medical physics. In this lecture, the following questions/topics will be covered:

- Why are reliable radiation dose measurements needed?
- How to perform measurements in a way that the results are consistent and comparable?
- Why should I calibrate my dosimeter, and what does traceability actually mean?

Paula Maria Toroi Bio

Paula Maria Toroi is a Principal Advisor at the Radiation Metrology Laboratory, Radiation Practices Regulation, STUK - Radiation and Nuclear Safety Authority in Helsinki, and an Adjunct Professor of Medical Physics at the University of Helsinki, Department of Physics. She completed her Master's and PhD in medical physics at the University of Helsinki, Department of Physics, and her Medical Physics specialisation at the Helsinki University Hospital and the University of Helsinki, Department of Physics, becoming a Clinically Qualified Medical Physicist. After gathering medical physicist clinical experience in radiotherapy, nuclear medicine and radiology in various hospitals, Paula Maria turned her focus to radiation and nuclear safety, becoming SSDL Officer at the IAEA and then Principal Advisor at the STUK. She is a member of many national and international committees and projects, in which she serves as a Technical Officer, member in scientific advisory boards or External expert for the IAEA activities (e.g. for more than 100 technical cooperation projects, IAEA/WHO SSDL Network project; European community project: Eutempe-RX; IAEA Co-ordinated Research Projects: E2.10.06, E2.10.08). Paula Maria is the author of more than 30 International peer-reviewed publications and more than 100 internal and national presentations in different conferences. She is a reviewer for several scientific journals: European Radiology, Physics in Medicine and Biology, Physica Medica: European Journal of Medical Physics and Radiation Protection Dosimetry. She served as an MSc and PhD supervisor for several students.