

ESMPE European School for Medical Physics Experts

Dosimetry in Medical Physics

4th-6th February 2027, Prague, Czech Republic

EFOMP would like to invite you to the ESMPE European School for Medical Physics Experts On Dosimetry in Medical Physics on 4th-6th February 2027. This course provides a comprehensive introduction to photon dosimetry in diagnostic and therapeutic medical applications. Participants will review the fundamental principles of radiation measurement, dose quantities, dosimeters technologies, calibration procedures, uncertainty evaluation and dosimetric protocols used in radiotherapy, conventional X-ray imaging, computed tomography (CT), mammography, fluoroscopy and interventional radiology. The course will include the practical application of international recommendations, such as IAEA TRS-398 for reference dosimetry in external beam radiotherapy, together with current approaches to CT and breast dosimetry, diagnostic reference levels, patient dose assessment, image quality–dose optimization and quality assurance procedures in modern medical imaging and radiation therapy.

This two-and-half day event will be accredited by EBAMP (European Board of Accreditation for Medical Physics) and is intended for practicing clinical Medical Physicists who are involved or interested in dosimetry in radiotherapy and diagnostic radiology. There will be an optional examination at the end for those seeking a higher level of certification beyond attendance.

ESMPE have decided this event will be in a hybrid format. All lecturers will give their talks on-site in Prague, Czech Republic, but participants can choose if they want to attend the school on-site or online, it will be live-streamed.

Please note: All times shown are in CET (local time in Prague)

Content

Basic principles of dosimetry

Dosimeters and instrumentations

Dosimetry in radiotherapy

Dosimetry in radiology (CT, mammography, angio, general radiology)

Dose optimization

Final examination

The final exam is voluntary. Participants can gain additional credits when successfully pass the test.

Organisers

Joao Seco (Chair of the School)

Valentina Ravaglia, Marco Fusella (Scientific Chairs)

Course language	English
Level	Medical Physics Expert
Registration fee* (2 main meals, 5 coffee breaks, 1 social event)	350 € (*VAT included)
Reduced registration fee* · subsidized by EFOMP · first-come, first-served policy	200 € (*VAT included) - for the first 40 participants (max. 3 from one country) coming from the following European countries: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Estonia, Greece, Hungary, Latvia, Lithuania, Moldova, North Macedonia, Poland, Portugal, Serbia, Slovak Republic, Spain, Ukraine. 200 € (*VAT included) - for 30 young persons (under 35 y.)
Number of onsite participants Number of online participants	
Duration	4 th - 6 th February 2027
Study load	
Venue	Department of Dosimetry and Application of Ionizing Radiation, Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Břehová 7, 115 19 Prague 1, CZECH REPUBLIC 50°5'27.737"N, 14°24'58.713"E
Accommodation	Participants must book their own accommodation.
Information, programme at:	www.efomp.org
Registration	Electronic registration via EFOMP website
Registration period	17 th July 2026 – 22 nd January 2027 (29 th January 2027 for online participation only)

- payment must be done in 14 days following the pre-registration, otherwise pre-registration will be cancelled.
- payment must be done via EFOMP online payment system using a credit card; no bank transfers are accepted.

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