

**ESMPE European School for Medical Physics  
Experts**

**Individual dosimetry in medical applications**

**4<sup>th</sup> November 2021, Kaunas, Lithuania**

The EFOMP in collaboration with EURADOS, IRPA, the Kaunas University of Technology and the Lithuanian Association of Medical Physics and Biomedical Engineering would like to invite you to the next ESMPE in **Individual dosimetry in medical applications 2021**.

The school will be organized as a 1-day satellite Workshop before and in conjunction with the 15<sup>th</sup> International Conference “Medical Physics in the Baltic States 2021», which will be held on 5-6 November 2021 in Kaunas, Lithuania.

The school will be aimed at advanced tasks connected with staff dosimetry in medical applications. The school will cover all the aspects related to the establishment of a programme of individual monitoring for workers in medical facilities.

This one-day event will be accredited by EBAMP (European Board of Accreditation for Medical Physics) as CPD event for Medical Physicists at EQF Level 8 and is intended for practicing clinical Medical Physicists who are involved in Staff radioprotection.

### **Content**

- Sources and levels of occupational exposures.
- Dose assessment for workers in medical facilities
- Types of personal dosimeters
- Individual monitoring
- Ambient monitoring
- Selection, use and maintenance of personal and collective protective equipment
- Dose reporting

### **Organizers**

**Alberto Torresin** (Chair of the School),  
**Paddy Gilligan and Filip Vanhavere** (Scientific Co-Chairs)  
**Jurgita Laurikaitienė** (LMFBIA), **Efi Koutsouveli** (EFOMP)

4 <sup>th</sup> November 2021					
Slot	Session	Title	Description	Lecturer	
	8:00-8.45	Registration			
	8:45-9:00	Setting the scene		Introduction to the Workshop	
1	9:00-10:00	Occupational exposure in the medical field	Sources and magnitude of occupational exposures	Medical use of ionizing radiation in diagnostic and interventional radiology, nuclear medicine and radiotherapy	Paddy Gilligan Dublin/IE
	10:00-10:30	Coffee break			
2	10:30-11:30	Occupational exposure in the medical field	Assessment of occupational exposure	ICRP and European recommendations, criteria for individual monitoring and forms of external and internal monitoring that should be in place	Marie-Claire Cantone/Milan/IT
3	11:30-12:30	Staff dosimetry	Types of personal dosimeters	Passive and active, performances and limitations, calibrations, standards...)	Filip Vanhavere Leuven/BE
	12:30-14:00	Lunch break			
4	14.00-15.00	Staff dosimetry	Individual monitoring	Practical aspects of monitoring of the whole body, skin and extremities, and eye lens, position on the body, double dosimetry algorithm, etc	Filip Vanhavere Leuven/BE
5	15.00-15.30	Ambient dosimetry	Ambient monitoring	Radiological surveillance of the workplace	Filip Vanhavere Leuven/BE
6	15.30-16.00	Protective equipment	Personal and collective protective equipment	The use of personal and collective protective equipment in interventional radiology and in the operating rooms and their maintenance	Marco Brambilla Novara/IT
	16:00-16:30	Coffee break			
7	16.30-17.30	Assessment and reporting	Evaluation and Reporting of individual monitoring	Interpretation, assessment, investigation of overexposures, how to set dose constraints, reporting related to the individual monitoring, classification of workers	Paddy Gilligan Dublin/IE

## Further Information

Course language	English
Level	Medical Physics Expert (MPE)
Registration fee* (main meal, coffee break)	<a href="#">Fees</a>
Maximum number of participants	100
Duration	4 <sup>th</sup> November 2021
Study load	6 hours of lectures and practical demonstrations
Venue	Kaunas University of Technology, Faculty of Mathematics and Natural Sciences, Department of Physics - Studentų g. 50-325F, Kaunas, Lithuania.
Website:	<a href="https://medphys2021.efomp.org/">https://medphys2021.efomp.org/</a>
Accommodation	Individual
Information, programme at:	<a href="http://www.efomp.org">www.efomp.org</a>
Registration	Electronic registration via <a href="#">Conference website</a>
Registration period	15 <sup>th</sup> May 2021 – 30 <sup>th</sup> October 2021

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