

**EFOMP**

ECMP 2018 welcomes Germany

23 - 25 August 2018  
Copenhagen, Denmark

Organized by EFOMP

Hosted by ecmp 2nd 2018

DSMF SVENSKA SÄNDROSFYSIKER FÖRBUNDET EFOMP SÖDERTJÄNA DGMP

**EMP News Autumn 2017**

European Medical Physics News

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**EFOMP**

EFOMP School for Medical Physics Experts (ESMPE), Prague 2018  
Geometric Tomography, Technology, Dosimetry, Optimization

Next examinations for the EEMP and EACMPE:  
August 21 and 22, 2018, Copenhagen

**EMP News Spring 2018**

European Medical Physics News

PITW RTI From Radiation to Information

**EFOMP**

EFOMP-EUTEMPE Leadership Module for Medical Physics Experts

ECMP 2018 welcomes Germany

23 - 25 August 2018  
Copenhagen, Denmark

**European Congress of Medical Physics 2018**

Bridging knowledge across specialities

The European Federation of Medical Physics Organizations Bulletin

**European Medical Physics News Summer 2018**

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Physica Medica  
**European Journal of Medical Physics**

The official journal of the Association Italiana di Fisica Medica, European Federation of Organizations for Medical Physics, and Association of Physicists in Medicine and Medical Physicists in Physic Medicine

Editor-in-Chief: Paolo Ribba  
Past Editor-in-Chief: Fulvio Nicolini



**EFOMP EXAMINATION BOARD**

Next examinations for the EEMP and EACMPE:  
August 21 and 22, 2018, Copenhagen

All applicants registered in the ECMP 2018 (Copenhagen, August 23-25, 2018) will have a 20% discount on the normal fee.

Deadline for applications: May 31, 2018

For more information please visit [www.efomp.org](http://www.efomp.org)

**ESMPE** European School for Medical Physics Experts

**ESMIT**

**Nuclear Medicine Dosimetry, Practical approach**  
Jointly organised by ESMPE and ESMIT  
24<sup>th</sup>-26<sup>th</sup> January 2019, Prague, Czech Republic

The EFOMP and EANM (The European Association of Nuclear Medicine) in collaboration with the Czech Association of Medical Physicists and the Department of Dosimetry and Application of Ionizing Radiation of Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague would like to invite you to the next ESMPE in **Nuclear Medicine 2019**.

The school is aimed at advanced tasks connected with radiopharmaceutical dosimetry in a context of therapeutic nuclear medicine. The school will cover mostly practical computing aspects, on freely available software (Slice 3D).

This two-and-half day event will be accredited by EBAMP (European Board of Accreditation for Medical Physics) and is intended for practising clinical Medical Physicists who are involved in Nuclear Medicine dosimetry. As is the case in most ESMPE schools, there will be an optional examination at the end for those seeking a higher level of certification beyond attendance.

**Content**

- Refresher on the basics of Radiopharmaceutical Dosimetry** – Radiopharmaceuticals and clinical applications - TRT and SIRT - relevance of dosimetry
- Introduction to Slicer** – Basic features – Plugins – Input / Output – basic image/data processing
- SIRT Dosimetry** – Data input – DICOM files management – Image segmentation – Absorbed dose calculation – Result output
- TRT Dosimetry** - Data input – DICOM files management – image fusion - Image segmentation – Absorbed dose calculation- Result output
- Dosimetry Optimization** – Implementing robustness in nuclear medicine dosimetry – Scripting – Electronic notebooks.
- Final exam**

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

**Organizers**  
Jaroslav Pláček, Tereza Kráčmerova (Czech Republic)  
Manuel Bardès (Scientific Chair), Marco Brambilla (Chair of the School)

**ESMPE** European School for Medical Physics Experts

**COCIR**

**State of the art and new trends of angiographic equipment: Image quality, Patient and Staff dosimetry**  
Jointly organised by ESMPE and COCIR  
4<sup>th</sup>-6<sup>th</sup> July 2019, Prague, Czech Republic

The EFOMP and COCIR (The European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry) in collaboration with the Czech Association of Medical Physicists and the Department of Dosimetry and Application of Ionizing Radiation of Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague would like to invite you to the next ESMPE on **Interventional Radiology 2019**.

The school will be aimed at advanced tasks connected with Angiographic Equipment. The school will cover the main physics aspects of the angiographic equipment technology, patient and staff dosimetry, and optimization.

This edition is jointly organized by EFOMP and COCIR. Lecturers identified by COCIR will give insides on the new trends for angiographic equipment.

This two-and-half day event will be accredited by EBAMP (European Board of Accreditation for Medical Physics) and is intended for practising clinical Medical Physicists who are involved in the Interventional field. As in last year's school, there will be an optional examination at the end for those seeking a higher level of certification beyond attendance.

**Content**

- State of the art and new trends of angiographic equipment** – Up-to-date components and new developments (hardware and software)
- Patient dosimetry** – Equipment Dosimetry and Patient Specific Dosimetry – Managing patient dose with skin dose maps and dose tracking systems – Trigger values and Interventional DRL with complexity
- Staff dosimetry** – Staff dosimetry protocols with a focus on eye lens dosimetry
- Image quality evaluation** – Setting CT protocols per specific clinical indications

**Final exam**

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

**Organizers**  
Jaroslav Pláček, Tereza Kráčmerova (Czech Republic)  
Annalisa Trianni (Scientific Chair), Alberto Torresin (Chair of the School)

**ESMPE** European School for Medical Physics Experts

**COCIR**

**Treatment Planning systems**  
Jointly organised by ESMPE and COCIR  
10<sup>th</sup>-12<sup>th</sup> October 2019, Warsaw, Poland

The EFOMP and COCIR (The European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry) in collaboration with the Polish Society for Medical Physics (PSMP) would like to invite you to the next ESMPE in **Radiotherapy 2019**.

The school will be aimed at advanced tasks connected with the use of Treatment Planning systems in radiotherapy planning. The school will cover the main physics aspects of the input data to treatment planning systems, an overview of the main dose calculation approaches, use of imaging in RT planning and delivery and future developments.

This edition is jointly organized by EFOMP and COCIR. Lecturers identified by COCIR will give insides on the technical solution adopted by manufacturers in the relevant fields of dose calculation and optimization.

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 in radiotherapy treatment planning. As in last year's school, there will be an optional examination at the end for those seeking a higher level of certification beyond attendance.

**Content**

- Medical Physicist and vendor responsibilities for TPS** – data input for TPS – common dose calculation approaches – QA of TPS
- Imaging for treatment planning – Imaging for treatment delivery** - Use of CT and MRI in modern radiotherapy, Cone Beam CT, Implications of on treatment imaging for dose calculation.
- Patient specific QA measurements** - Patient Specific Dosimetry - Managing patient imaging dose. Optimisation of patient dose
- Advances in TPS development** - Automated planning and QA - Biological dose optimization.

**Final exam**

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

**Organizers**  
Pawel Kukulowicz (Poland)  
Brendan McClean (Scientific Chair), Alberto Torresin (Chair of the School)

European Federation of  
Organisations for Medical Physics  
*Applying physics to healthcare for the  
benefit of patients, staff and public.*

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