



EFOMP News

European Federation of Organisations for Medical Physics

Medical Physics at the European Congress of Radiology 2007

EFOMP participates in the organisation of the Physics in Radiology Track of the European Congress of Radiology. This track consists of Refresher Courses, Scientific Session and the EFOMP Workshop.

This year the Physics in Radiology track consisted of:

Five Refresher Courses on:

1. Display Quality and Diagnostic Accuracy
2. Quality Control and Dose Reduction in Digital Radiology
3. Justification and Optimisation of Multi-detector CT (MDCT) Examinations
4. Physics and Technology of Multi-Modality Imaging Systems
5. MR Guided Cardiovascular Interventions

Four Scientific Sessions:

1. New Technologies
2. Dose Assessment
3. Quality Assurance and Optimisation
4. Computed Tomography

The EFOMP Workshop was the 9th in the series with the Theme "New Technology in Diagnostic Radiology Advances in Molecular Imaging". The first session focused on "State-of-the-Art of instrumentation for Molecular Imaging" and the second session "Molecular Imaging Applications".

Some 200 participants attended the EFOMP Workshop, while the participation of the Refresher Courses and Scientific Sessions was varied from 80 to 150 participants. The participants were mainly Medical Physicists with some Radiologists and some Technologists.

Stelios Christofides
Chairman of EFOMP Scientific Committee

Xth EFOMP Congress - First European Conference on Medical Physics 2007

In 2007 the Xth EFOMP congress will be organized in conjunction with the Italian Association of Medical Physics (AIFM) in the beautiful international resort "Il Ciocco" in the vicinity of Pisa, Italy. The event is

scheduled for mid-September, when the Tuscany climate is at its best for enjoying the landscape and the countryside of the Garfagnana hills and mountains.

The special goal for this congress is to present the state-of-the-art of Medical Physics in its various subspecialties: from Radiotherapy to Diagnostic Radiology, from Nuclear Medicine to Medical Imaging, from Radioprotection to Physiological Measurement Techniques. As one of the main tasks of EFOMP is to promote and to harmonize the best practice of Medical Physics in Europe, special sessions will be dedicated to training and education in Medical Physics.

Preliminary Program:

Thursday 20 September afternoon

Opening (Chairperson: Alberto Del Guerra)

Keynote lecture (Chairperson: Wolfgang Schlegel)
Steve Webb (Royal Marsden, Sutton, UK):

"Combating cancer in the third millennium: the contribution of medical physics"

EFOMP Symposium: "Education and Training in Medical Physics in Europe"

Chairpersons: Stelios Christofides, Teresa Eudaldo

- Wolfgang Schlegel (Heidelberg, Germany): "Mission, Structure and tasks of EFOMP",
- Teresa Eudaldo (Barcelona, Spain): "The Present Status of Medical Physics Education and Training in Europe. An EFOMP survey",
- Marta Wasilewska-Radwanska (Krakow, Poland): "Strengthening Cooperation between the NMOs and EFOMP ETP Committee for the years 2007 2009"
- Kjeld Olsen (Herlev, Denmark): "The EFOMP Activities in the Field of Continuous Professional Development and Accreditation Schemes",
- Eduardo Guibelalde, (Madrid, Spain): "EFOMP European Union Affairs Committee Initiatives for 2007 2009",
- Markus Buchgeister (Tübingen, Germany): "Ways of EFOMP to Communicate",
- Stelios Christofides (Nicosia, Cyprus): "EFOMP New Initiatives and Activities",

- Wolfgang Schlegel (Heidelberg, Germany): “Future goals of EFOMP in Education, Profession and Science”,
- Herbert W. Mower (Massachusetts, USA): “Challenges in Teaching Medical Physics in Radiology and Radiation Oncology Residency Programs and in Graduate Medical Physics Programs in the USA”.

Poster Session #1

(Chairperson: Maria Giuseppina Bisogni)

DINNER

Friday 21 September morning

EANM Symposium “Nuclear Medicine physics 50+ years of PET”

Chairperson Thomas Beyer (DE)

- Maryam Khodaverdi (Crystal Clear Collaboration, FR): “The promise of new detectors”
- Andrew Reader (Manchester, UK): “The promise of new image reconstruction”
- Klaus P Schäfers, PhD (Münster, DE): “The promise of a new imaging modality (from pet to PET/MR)”

ESMRMB Symposium “New emerging technologies in MRI: research and safety issue”

Chairperson: Klaas Prüssmann (ETH Zürich,CH)

- J. Machann (Tübingen, DE): “Technical Challenges and Opportunities of Whole Body MRI at 3 Tesla”
- K. Prüssmann (ETH Zürich,CH): “Prospects of Human MRI at 7 Tesla”
- D. Norris (Nijmegen, NL): “Safety issue in MR Installations”
- B. Pichler (Tübingen,DE): “MR-PET: Combining Molecular Function and Morphology”

LUNCH

Friday 21 September afternoon (Parallel sessions)

TRACK 1: Diagnostic Radiology with IR, NIR and Radioprotection, Special Symposium: “Safety and Efficacy of CT” (Chairperson Willi Kalender)

TRACK 2: Nuclear Medicine and Molecular Imaging (Chairperson: Cesare Gori)

TRACK 3: Radiotherapy and Dosimetry (Chairperson: Jatinder Palta)

Poster Session #2 (Chairperson: Giacomo Cuttone)

CONGRESS DINNER

Saturday 22 September morning (Parallel sessions)

TRACK 1: Diagnostic Radiology with IR, NIR and Radioprotection (Chairperson: Keith Faulkner)

TRACK 2: Nuclear Medicine and Molecular Imaging (Chairperson: Bertrand Tavitian)

TRACK 3: Radiotherapy and Dosimetry (Chairperson: Dag Rune Olsen)

Poster Session #3 (Chairperson: Michela Tosetti)

Saturday 22 September afternoon (Parallel sessions)

TRACK 4: Education and Training in Medical Physics (Chairperson: Teresa Eudaldo)

TRACK 5: Physiological Measurement Techniques (Chairperson: TBD)

TRACK 6: Informatics (Chairperson: TBD)

Closing ceremony (Chairperson: A. Del Guerra)

The “Malaga declaration”

A further important milestone in 2006 was a statement called the “Malaga declaration” which was presented to the EFOMP council by the former chairman of the European Union Matters Committee, Jose Hernandez Armas. The Malaga declaration is a statement with EFOMP’s position on Medical Physics in Europe, with the aim “to establish Medical Physics as a regulated profession” and as “a health care profession” in all member states in Europe. These two statements have been accepted by electronic voting by the delegates of the NMOs after editorial finishing of the text past the council meeting. A third statement, saying “that radiation protection in hospitals, involving patients, working staff and members of the public, must be performed by Medical Physics Experts”, had already been agreed upon in the council meeting.

European Network of Medical Physics Training Schools (ENMPS)

The officers of EFOMP have been considering the establishment of a process for coordinating across Europe CPD courses for Medical Physicists, so that these are harmonized and offer the same level of education. In order to achieve this goal, EFOMP is going to propose the creation of a European Network of Medical Physics training schools (ENMPS). The EFOMP NMOs will be asked for their support at the next council meeting, so that the EFOMP officers can proceed with this project.