



EFOMP News

European Federation of Organisations for Medical Physics

Medical Physics at the European Congress of Radiology 2008

The participation of EFOMP this year at the European Congress of Radiology (ECR) proved to be the most successful to date. EFOMP participates in the organisation of the Physics in Radiology Track that consists of Refresher Courses, Scientific Session and the EFOMP Workshop.

This year the “*Physics in Radiology*” track consisted of

Five refresher courses:

1. MRI-guided cardiovascular interventions
2. Physics and Technology of multi-modality imaging systems
3. Quality control and dose reduction in digital radiology
4. Managing patient doses
5. Monitor reporting: Quality and diagnostic accuracy

Four scientific sessions:

1. Radiation dose in CT
2. New approaches in MRI
3. Dose, risk assessment and optimisation
4. New advances in imaging techniques and applications

The EFOMP Workshop was the 10th in the series and this year was organised in collaboration with the European Society of Magnetic Resonance in Medicine and Biology (ESMRMB). The theme was “*New Technology in Diagnostic Radiology: High field MRI for clinical and pre-clinical studies*”. The first session focused on “the state-of-the-art of high field MRI instrumentation” with the following presentations:

1. High field clinical MRI: Instrumentation and methods (R. Turner, Leipzig/DE)
2. Pre-clinical studies with high field and very high field MRI: What is available, what is needed? (S. Aime, Turin/IT)
3. PET-MRI combined modalities for pre-clinical and clinical studies (A. Carpenter, Cambridge/UK)

The second session on “clinical applications, safety issues and regulations for very high field MRI” with the following presentations:

1. Safety issues and regulations for high field MRI (M. E. Ladd, Essen/DE)
2. Physical implications of a 7 Tesla MRI installation (O. SPECK, Magdeburg/DE)
3. Future impact of the 7 Tesla MRI in the clinical applications (R. W. Bowtell, Nottingham/UK)



The number of participants ranged for 80 to 120 at various moments through both sessions.

EFOMP also had a booth at the societies exhibition area. The booth served as a venue for advertising the activities of EFOMP as well as a meeting point for the Medical Physicists participating at the conference.

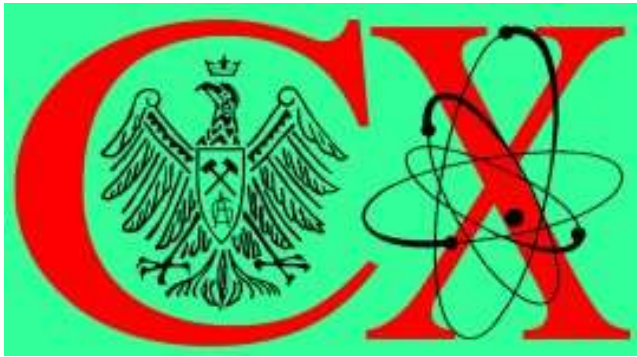
An other session of special interest to Medical Physicist took place on the last day of the conference, a special Focus Session on “*New radiation risk estimation: Can we relax?*” and attracted a good audience.

This session concentrated on the ethical and legal aspects of patient exposures. The conclusion of this session was that apart from the optimisation of the

procedures, the miss-justification of carrying out a procedure appears to be a major contributor to the population exposure. The publish data on this subject is very scarce and more work is required in order to give more reliable data.



Stelios Christofides
EFOMP, Vice President



Second European Conference on Medical Physics

MEDICAL PHYSICS AND ENGINEERING 110 YEARS AFTER THE DISCOVERY OF POLONIUM AND RADIUM

Krakow, Poland, September 17-21, 2008

Organizers are the Polish Society of Medical Physics, AGH University of Science and Technology, Faculty of Physics and Applied Computer Science and Polish Academy of Science (Division VI of Medical Sciences, Committee of Medical Physics, Radiobiology and X-Ray Imaging).

This conference will coincide with the **EFOMP COUNCIL AND OFFICER'S MEETING** and the **14th CONGRESS OF THE POLISH SOCIETY OF MEDICAL PHYSICS**.

On September 16 and 17 2008 the **WORKSHOP "RADIATION PROTECTION OF THE PATIENT"**, coordinated by Dr. Stelios Christofides (Cyprus, EFOMP Vice President), will be organised. Up to 50 participants who have also registered to participate at the MPEKRAK08 conference, may attend this Workshop. Applications to attend this Workshop will be available on the web page between May 15 and July 31, 2008.

Registration and Abstract Submission

The deadline for abstract submission was April 15, 2008. Abstracts submitted so far concern the following topics:

- Radiation Protection and Quality Assurance, Experimental Techniques in Medicine and Biology, Physics and Engineering in Imaging,
- Physics and Engineering in Radiotherapy, Instrumentation,
- Signal Processing and Mathematical Modeling in Medicine,
- Organization, Management and Education in Medical Physics in Europe.

To date, abstracts have been received from the following countries (in alphabetical order):

Belgium, Bulgaria, Cyprus, Czech Republic, Estonia, Germany, Hungary, India, Iran, Ireland, Japan, Kenya, Latvia, Malta, Poland, Portugal, Russia, Sudan, Taiwan, Ukraine, United Kingdom and USA.

Presentation and Publication of Contributions: Following their review by the Scientific Committee by April 30, 2008, abstracts will be accepted for presentation, mainly as posters, as the organizers envisage plenary conference sessions only.

Full texts of the accepted contributions will be published in the **Polish Journal of Medical Physics and Engineering**, the official publication of the Polish Society of Medical Physics. The deadline for accepting the full texts is at the Conference, September 18, 2008.

Commercial Exhibition

A commercial exhibition will accompany the conference, which will be attended by medical physicists, medical engineers, medical doctors, radiation physicists and radiation protection experts working in hospitals, industry and universities of several European countries. Among the registered exhibitors, Eckert&Ziegler, BEBIG GmbH (Berlin) and CMS GmbH (Freiburg) companies are represented.



The conference web page will be available for the registration of participants, exhibitors and sponsors until June 30, 2008 at:

<http://mpekrak08.ftj.agh.edu.pl>

Marta Wasilewska-Radwanska

Local Organizing Committee
Chair