



COLLEGE ON MEDICAL PHYSICS

1 - 19 September 2008

Miramare, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), will organize a **College on Medical Physics** to take place from 1 to 19 September 2008. The College is co-sponsored by ICTP and the Kuwait Fund for Advancement of Science (KFAS).

OBJECTIVE OF THE COLLEGE ON MEDICAL PHYSICS

The objective of the College on Medical Physics is to contribute to the development of competent medical physicists who can make direct contributions to the improvement of health care in their countries through better medical imaging diagnosis and who can lead in the proper and safe applications of radiation and diagnostic imaging purposes.

This will be achieved by providing participants with education, training, and resources to enhance their effectiveness as Program Directors and Instructors who can then provide educational and training opportunities to students in all nations.

PROGRAM

The program of the College will consist of lectures, interactive discussions and problem solving sessions and applied learning experiences.

The three-week College will be devoted to the *Physics and Technology of Diagnostic Imaging*. The Imaging modalities to be discussed will be Classical and Digital X-ray Imaging; Magnetic Resonance Imaging; Radionuclide Imaging and Ultrasound Imaging. The College Program will be made up of courses on:

- Physics for Optimized Medical Imaging
- Practical and Applied Medical Physics
- Radiation Safety and Risk Management
- Educational Program Development and Methods

PARTICIPATION

Scientists and advanced students from all countries that are members of the United Nations, UNESCO or IAEA may attend the College on Medical Physics. Participants should hold a university degree in physics, engineering, medical physics, or related subjects and have several years of professional experience related to medical physical and/or clinical medical imaging. They are expected to apply acquired knowledge through teaching and working to improve medical imaging in their home countries. The main purpose of the Centre is to help experienced scientists from developing countries, through a programme of training activities within a framework of international cooperation. However, students and post-doctoral scientists from developed countries are also welcome to attend. As this activity will be conducted in English, participants should have an adequate working knowledge of that language.

As a rule, travel and subsistence expenses of the College participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants from developing countries, to be selected by the organizers. Such financial support is available only for those who attend all 3 weeks of the College. There is no registration fee for the College.

The **Application Form** is available on the ICTP WWW server: <http://agenda.ictp.it/smr.php?1961> (which will be constantly updated) or from the activity Secretariat. It should be completed and returned before **30 April 2008** to:

College on Medical Physics
(smr 1961) (c/o Ms. Suzie Radosic)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy
or
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APPLICATION DEADLINE

30 April 2008