



Meeting of Modern Science and School Physics: College for School Teachers of Physics in ICTP

27 April - 3 May 2011

Miramare, Trieste, Italy

Topics and Nature

The main idea of this event is to bring together for several days at the ICTP selected teachers of physics from different countries and well-known scientists from various fields of modern physics. The lectures will be carried out at a popular level, carefully tuned to the level of the audience.

There will be four classes of lectures:

Modern physics at first hand: This principal field which will cover 70-75% of the duration of the College and will consist of 1-hour lectures delivered by well-known, widely-recognized experts in corresponding fields. The lectures will be devoted to the fundamental discoveries of the XXth century, their important applications and actual problems of XXIst century physics.

Physics around us: This part of the college activity will demonstrate the best examples of popularization of physics for a wide audience.

Useful methods of university physics which can be adopted in school physics: Here some of the invited scientists will demonstrate how some methods and tricks of theoretical physicists can be used in elementary physics, developing intuition and understanding of the subject by students.

Modern methods of teaching physics

Participation

Teachers and scientists from all countries which are members of the United Nations, UNESCO or IAEA may attend the School. As it will be conducted in English, participants should have an adequate working knowledge of that language. Although the main purpose of the Centre is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, a limited number of teachers and post-doctoral scientists from developed countries are also welcome to attend.

As a rule, travel and subsistence expenses of the 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 who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. There is no registration fee.

How to apply for participation

The application form can be accessed at the activity website http://cdsagenda5.ictp.trieste.it/full_display.php?id=a10137. Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form.

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DEADLINE

for requesting participation

27 December 2010