



The Abdus Salam  
International Centre for Theoretical Physics

**COLLEGE**  
ON  
**SOIL PHYSICS**

**22 October - 9 November 2007**

**Miramare, Trieste, Italy**

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, will organize a College on Soil Physics, to be held from 22 October to 9 November 2007.

The College aims to provide participants with a knowledge of soil physical properties and processes so that they may understand and solve engineering, agronomic and environmental problems and activities such as drainage, irrigation, erosion, pollution, solute transport, and this in different climatological regions. The College will be in part descriptive and theoretical, but special attention will also be given to practical applications, instrumentation, measurement techniques and modeling of physical processes in the soil. Because of cooperation with the ICTP Climate Research Group, emphasis will also be placed on the effects of climate on soil physical processes.

An important aspect of the College is the interaction/discussion with the participants, and time will be made available for those participating to give special presentations. Applicants are encouraged to prepare a short summary of their work and research activities to be submitted together with their application form.

During this three week College the following main topics will be covered:

- **Soil physical properties and processes**  
(intrinsic, spatial, temporal)
- **Soil degradation and desertification processes**  
(physics, factors, prediction, control)
- **Climate and soil-water-plant-atmosphere continuum**  
(infiltration, evaporation, soil water balance)

## **PARTICIPATION**

The College is intended for students and professionals with varied background in physics, mathematics, soils, engineering, agricultural and environmental sciences. Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the College. As it will be conducted in English, participants should have an adequate working knowledge of this 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 students 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.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.it/smr.php?1867> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **30 June 2007** to:

**College on Soil Physics (smr 1867)**  
the Abdus Salam International Centre for Theoretical Physics  
Strada Costiera 11, 34014 Trieste, Italy.

or

[smr1867@ictp.it](mailto:smr1867@ictp.it) (please send file attachments in one of the following formats:  
PDF (preferably), RTF or doc)

Telephone: +39-040-2240-363      Telefax: +39-040-2240-7363

E-mail: [smr1867@ictp.it](mailto:smr1867@ictp.it)

ICTP Home Page: <http://www.ictp.it/>

## **DIRECTORS:**

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**Edward SKIDMORE**  
(U.S. Department of Agriculture,  
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## **LOCAL ORGANIZER:**

**GianCarlo GHIRARDI**  
(University of Trieste and ICTP,  
Trieste, Italy)

**DEADLINE**  
for requesting participation

**30 June 2007**