

COLLEGE ON SOIL PHYSICS

3 - 21 MARCH 2003

Miramare, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, will organize a College on Soil Physics, to be held in Trieste from 3 to 21 March 2003. This College will be a special one as it will celebrate its **20th Anniversary** in 2003. For this occasion, a number of former College participants will be invited to deliver some lectures.

The College aims to provide participants with a knowledge of soil physical properties and processes so that they may understand and solve agronomic, engineering and environmental problems and activities, such as drainage, irrigation, erosion, fertilization, soil pollution. The College will be in part descriptive and theoretical, but special attention will also be given to practical applications, instrumentation, measurement techniques and modelling of physical processes in the soil. Emphasis will also be placed on interactions/discussions with the participants, and time will be made available for those participating to give special presentations. Applicants are encouraged to prepare a short resumé of their work and research activities.

The following topics will be covered during the College:

- Soil (genesis, pedotransfer functions, intrinsic and temporalities, and property measurements)
- Soil-water-plant relationships (infiltration, drainage, evaporation, water balance)
- Erosion processes (physics, measurement, prediction, and control)
- Solute transport processes (leaching, soil salinity, pollution and remediation)
- Spatial processes (geostatistics, applied time series, GIS, monitoring technology)

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.trieste.it/agenda/current/List.php> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **2 December 2002** to:

College on Soil Physics
(smr1496) (c/o Ms. Elizabeth Brancaccio)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy.

or
smr1496@ictp.trieste.it (please save and send file attachments in RTF format)

Telephone: +39-040-2240284 Telefax: +39-040-224163
E-mail: smr1496@ictp.trieste.it
ICTP Home Page: <http://www.ictp.trieste.it/>

DIRECTORS:

Donald Gabriels
(Department of Soil Management
and Soil Care,
Ghent University, Belgium)

Donald Nielsen
(Department of Land, Air and Water
Resources,
University of California,
Davis, U.S.A.)

Ildefonso Pla Sentis
(Facultad de Agronomia,
Universidad Central
de Venezuela,
Maracay, Venezuela
and Departament de Medi Ambient
i Ciències del Sol,
Universitat de Lleida,
Lleida, Spain)

Edward Skidmore
(U.S. Department of Agriculture,
Manhattan, Kansas, U.S.A.)

LOCAL ORGANIZER:

GianCarlo Ghirardi
(University of Trieste and ICTP,
Trieste, Italy)

DEADLINE

for requesting participation

2 December 2002

