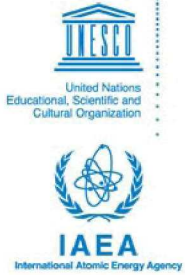




The Abdus Salam
International Centre for Theoretical Physics



Geophysics, Geodesy and Tectonics of the North Africa Plate Boundary for Better Earthquake and Tsunami Hazard Assessments

15 - 21 May 2010

(Algiers - Algeria)

The Abdus Salam International Centre for Theoretical Physics and the Algerian Ministry of Scientific Research are organizing an Advanced Workshop on Geophysics, Geodesy and Tectonics of the North Africa Plate Boundary for Better Earthquake and Tsunami Hazard Assessments to be held from May 15th to 21st, 2010, in Algiers, Algeria.

The past few decades have seen an unprecedented range of seismic activity along the plate boundary of North Africa, which has focused the attention of scientists and local communities on geo-hazards. Recently in May 2003, the Zemmouri earthquake (Mw 6.8) that generated a tsunami and occurred east of the city of Algiers, is the largest felt since February 1716 (I = X). Barely ten years after May 1994 (Mw 6.0), Al Hoceima city and the Rif Mountains of Morocco were struck once again in February 2004 by a large earthquake (Mw 6.4). Previously, the city of Cairo was struck in October 1992 by a M 5.5 magnitude earthquake, which induced large damage. In 1935, the Syrte region in Libya experienced an M 7.1 with severe damage.

Results of investigations into the most recent events have highlighted an urgent need to build capacity in modern methods spanning geophysics, space geodesy and tectonics for evaluation, monitoring and predicting both earthquake and tsunami hazards in North Africa with implications on the Mediterranean.

The first three days (15 to 17 May 2010) of the workshop will consist in educational lectures and hands-on training sessions and will provide graduate and post-graduate students with the current knowledge in the physics of earthquakes, faults and tsunami, followed by lectures on GPS and InSAR fundamentals.

The workshop will be followed by an international conference (18 to 21 May 2010) with invited and contributed papers, and panel discussions. The conference will address research themes that span the scale of the North-Africa plate boundary to individual active structures, and range from basic research to applied and pragmatic solutions with implications on earthquake and tsunami hazards.

The goals of the workshop are to establish a new initiative for cooperation in North Africa, to design programs to comprehensively monitor the time and length scales of plate boundary and earthquake deformation and evaluate earthquake and tsunami hazards, and to develop networks for exchange of ideas and expertise.

Presentations by participants on their specific area of research are welcome. If you wish to make a presentation, please attach the title and a one-page abstract to the application form.

Participation

Applicants from all countries that are members of the United Nations, UNESCO or IAEA may attend. As the Workshop 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 their home institutions. 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 to those attending the entire activity. *There is no registration fee.*

HOW TO APPLY FOR PARTICIPATION

The Online Application can be accessed at the activity website: <http://agenda.ictp.it/smr.php?2131>. Comprehensive instructions will guide you step-by-step on how to fill out and submit the application form. Kindly send all file attachments in Word or Acrobat format.

Secretariat: Ms. Rosa del Rio (smr 2131)

the Abdus Salam International Centre for Theoretical Physics - Strada Costiera 11 - 34014 Trieste, Italy

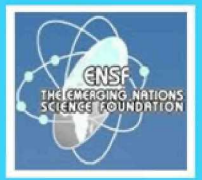
Telephone: +39-040-2240396 - Telefax: +39-040-22407396

E-mail: smr2131@ictp.it

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



Co-sponsored by:



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A. Aoudia
ICTP, Italy

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Invited North African Participants

L. Ait Brahim (Morocco)
A. Ayadi (Algeria)
M. Belazougui (Algeria)
H. Benhallou (Algeria)
D. Benouar (Algeria)
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M.A. Trache (Morocco)
A. Yelles Chaouche (Algeria)

Application

DEADLINE

14 February 2010

