



The Abdus Salam
**International Centre
for Theoretical Physics**
50th Anniversary 1964–2014



Geophysical Monitoring and Modeling for Sustainable Energy and Geohazard Solutions

15 - 25 September 2014

Kigali, Rwanda

We seek to convene a training workshop in Sub-Saharan Africa designed to build capacity in the detection, understanding, and mitigation of natural geohazards, and in the development of alternative energy solutions. The 10-day training course for African geoscientists will provide strategic guidance to the international community based on lessons learned from natural hazards and sustainable energy exploration in sub-Saharan Africa, and elsewhere.

This workshop will train early-career participants, and link theoretical and applied geophysicists and physical volcanologists. The earthquake and volcanic hazard training sessions build on the success of the 2010 ICTP-IAVCEI-IASPEI-NSF funded meeting and workshop held in Trieste, Italy.

TOPICS: Lectures, seminars, discussions and practical exercises in:

- Subsurface imaging for energy and hazard mitigation
- Monitoring volcanoes and active faults for risk assessment
- Modeling subsurface structure, active deformation, physical volcanology
- Visualization, communication, and education

For those interested in presenting a contribution in oral or poster form during the workshop, please submit a one-page abstract (size A4) with the online application form. File attachments should be in PDF format. Board size for Posters: 1.20 (width) x 1.90 (height) m.

PARTICIPATION:

The Programme is specifically designed to benefit scientists in countries that are vulnerable to earthquake and volcanic hazards, but who currently lack the local infrastructure, expertise, national capability or critical mass of researchers to be effective.

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the Workshop. 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 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.**



Directors

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National Science Foundation



International Union of Geodesy and Geophysics



HOW TO APPLY FOR PARTICIPATION

The application form can be accessed at the activity website
<http://agenda.ictp.it/smr.php?2624>

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

31st July 2014