

Future of Earth-Space Science and Education

2 - 6 November 2015
(Miramare – Trieste, Italy)

The International Union of Geodesy and Geophysics (IUGG) and the Abdus Salam International Centre for Theoretical Physics will organize a Conference on Future of Earth-Space Science and Education from 2 to 6 November 2015.

The responsibility of Earth and space sciences is to help humanity. Seismologists and volcanologists attempt to save lives by mitigating the effects of earthquakes or evacuating before eruptions. Geodesists quantify the shape of the Earth so that cities can be built and airplanes flown. Space physicists and astronomers provide a window into the nearly unknown world, in which our satellites are sent and spacecraft launched. Hydrologists, oceanographers and atmospheric scientists may have the heaviest burden of all as they help guide the planet through the ongoing climate change. Geoscience also has the responsibility to not confine itself to addressing current problems. As a science, a framework should be developed to address future issues.

A 5-day brainstorming Conference will be organized to: (i) analyze the current state of Earth system sciences, geoscience and education with special emphasis on the developing countries; (ii) discuss scientific contribution to major challenges the societies face: disaster risk, climatic and environmental changes, depletion of mineral resources and others; (iii) promote integrated disciplinary, inter-disciplinary and trans-disciplinary science and education of the planet Earth and its space environment; (iv) develop a link between geosciences and other natural and social sciences and to promote this at the educational level; and (v) build capacities in economically-less developed countries in Earth and space sciences. Each day will be dedicated to the specific theme:

- **Future Earth and sustainability**
- **The world without disasters**
- **Climate change and future generations**
- **Earth, space, and planets**
- **Future geoscience and education in the developing world**

Those who would like to present a poster during the Conference, please submit a one-page abstract including the abstract title and the author(s) name and affiliation (size A4) with the online application form. File attachments should be in PDF format. Board size for posters: 120 cm (width) x 190 cm (height).

PARTICIPATION

The conference is essentially by invitation; distinguished scientists will give lectures followed by daily general discussion with participation of the lecturers and participants. Scientists and MSc or PhD students from all countries which are members of the United Nations, UNESCO or IAEA may attend the Conference. As the Conference will be conducted in English, participants should have an adequate working knowledge of English.

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, developing countries, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. **There is no conference registration fee.**

HOW TO APPLY FOR PARTICIPATION

The application form can be accessed at the activity website <http://indico.ictp.it/event/a14272/>

Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form. Closing date for receipt of the applications is: **15 August 2015.**

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of Geodesy and
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IN COOPERATION WITH:

*The International Union of Geodesy &
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DIRECTOR

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LOCAL ORGANIZER

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DEADLINE:

Requesting funds and Visa:
15 August 2015

NOT Requesting funds:
15 September 2015

