



## Joint ICTP-IAEA School on Hybrid Reconfigurable Devices for Scientific Instrumentation

**01 - 12 June 2015**  
**Trieste - Italy**

The Abdus Salam International Centre for Theoretical Physics (ICTP) and the International Atomic Energy Agency (IAEA) will jointly organize an *International School on Hybrid Reconfigurable Devices for Scientific Instrumentation* to be held at ICTP, Trieste (Italy), from 01 to 12 June 2015.

### PURPOSE OF THE SCHOOL

The school is intended as a hands-on training activity that will provide an opportunity for participants to access new technologies and gain the necessary skills for designing and developing complete high performance systems for scientific applications at low cost.

The practical sessions of the school will be based on advanced hybrid reconfigurable devices that combine the software programmability of general purpose processors with the hardware reconfigurability of FPGA. By efficiently partitioning complex tasks in tightly interdependent software and hardware activities it is now possible to achieve unparalleled results in system performance while providing important system benefits in terms of flexibility, scalability, power consumption, developing time, and cost reduction.

The School will contain approximately 20 hours of lectures and 40 hours of tutorials and laboratory sessions.

It is expected to enhance the capabilities of researchers, teachers and advanced students from developing countries who are seeking to exploit modern electronic technologies for challenging scientific and academic purposes. The school will also promote networking and international collaborations.

### PARTICIPATION

Applicants from all countries which 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 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, students and post-doctoral scientists from advanced 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 to be paid.**

### HOW TO APPLY

The **application form** can be accessed at the activity website:  
<http://indico.ictp.it/event/a14283/>

Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit online the application form **not later than 8 February 2015**. Recommendation letters are not mandatory, but may help you in the admission process.

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### DIRECTORS

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### APPLICATION DEADLINE

**8 FEBRUARY 2015**