

## **FabLab and Makerspaces for Science**

**5 – 7 October 2015**

*(Miramare - Trieste, Italy)*

The Science Dissemination Unit (SDU) of the Abdus Salam International Centre for Theoretical Physics (ICTP) will organize a Workshop on *Fablab and Makerspaces for Science*, to be held at ICTP Scientific FabLab in Trieste, Italy from 5 to 7 October 2015.

FabLabs (Fabrication Laboratories) and open Makerspaces are novel small-scale workshop areas offering the possibility of rapid prototyping and are equipped with flexible computer-controlled manufacturing tools like Laser cutter, CNC machines, low-cost 3D printers, sensors and small digital electronics. These tools allow to make "almost anything" and to concretize a new idea.

One special interest for the implementation of these new creative spaces is to empower scholars and groups of scientists in developing countries to help them design a prototype and be creative. For example, within a FabLab, applications for data retrieval via the fabrication of affordable weather stations and applications of the Internet of Things are of special scientific interest.

The effective development of FabLabs and open Makerspaces relies on the awareness and a clear understanding of the available low-cost technical devices. In the workshop, we will underline some creative and cost effective examples by experts and participants with a balanced mix of technical detail, general overview and a sense of the possible.

**IT IS REQUESTED THAT PARTICIPANTS BE PART OF A RUNNING PROJECT IN THEIR COUNTRY OF ORIGIN RELATING THE TOPIC OF THE WORKSHOP, which should be briefly specified in the application form.**

### **Participation**

Attendance is open to scientists and makers 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 researchers 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 to be selected by the Organizers, 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.*

### **HOW TO APPLY FOR PARTICIPATION**

The Online Application can be accessed at the activity website: <http://indico.ictp.it/event/a14297/>  
Once in the website, comprehensive instructions will guide you step-by-step on how to fill out and submit the application form.

*Secretariat: Ms. Rosa del Rio (smr 2753)*

*the Abdus Salam International Centre for Theoretical Physics - Strada Costiera 11 - 34151 Trieste, Italy*

*Telephone: +39-040-2240396 - Telefax: +39-040-22407396 - E-mail: [smr2753@ictp.it](mailto:smr2753@ictp.it)*

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



### **DIRECTORS**

*Enrique Canessa  
(ICTP, Trieste, Italy)*

*Carlo Fonda  
(ICTP, Trieste, Italy)*

*Marco Zennaro  
(ICTP, Trieste, Italy)*

**Application  
DEADLINE**

**10 August 2015**

