

1st East-African Workshop on the Internet of Things

25-29 May 2015

East Africa Institute for Fundamental Research
University of Rwanda, Kigali

The Abdus Salam International Centre for Theoretical Physics (ICTP, Italy) and East Africa Institute for Fundamental Research, University of Rwanda, Kigali will jointly organize the *East-African Workshop on the Internet of Things*, to be held in Kigali, Rwanda, from 25 to 29 May 2015.

PURPOSE OF THE SCHOOL

The Internet of Things (IoT) refers to the networked interconnection of objects in addition to traditional networked devices. This new technology has the potential to change the world, just as the Internet did. This is very much starting to happen, as the continual decrease in size, cost, and energy consumption of wireless devices is dramatically boosting the number of mobile objects. The number of mobile objects composing the IoT will significantly grow: in 2020, between 12 and 50 billion devices are expected to be connected with each other, a 12 to 50-fold increase from 2012. This implies that the traffic generated will explode. The huge amount of traffic will require standardized interfaces and IP address utilization, such as IPv6. Furthermore, the availability of this "big data" can be leveraged to make inferences about many phenomena. In this Workshop we will look at applications of the IoT and their relevance to developing countries, with a focus on low-cost, open and sustainable solutions. The IoT has the potential to revolutionize science and influence social, environmental and health issues.

PARTICIPATION

Applicants from East Africa 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. Due to restricted laboratory space the total participation will be limited to 20 attendees.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half fare) from their home country. 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 attend the Workshop**

HOW TO APPLY

The application form can be accessed at the Workshop website:
<http://indico.ictp.it/event/7383/>

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 10 April 2015**. Recommendation letters are not mandatory, but may help you in the admission process.

Republic of Rwanda



Ministry of Education



DIRECTORS

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Support from:
NetworkTheWorld

APPLICATION DEADLINE

10 April 2015

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Workshop web page: <http://indico.ictp.it/event/7383/>

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

