

Workshop on Open Source Solutions for the Internet of Things



26 June 2017 - 7 July 2017
Trieste, Italy

Further information:

Activity URL: <http://indico.ictp.it/event/7972/>

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The Abdus Salam International Centre for Theoretical Physics is organizing a two-week workshop on Open Source Solutions for the Internet of Things. This hands-on activity will focus on open, low-cost, sustainable IoT solutions.

Directors:

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Description:

The IoT technology is revolutionizing our understanding of nature by providing observations at a fine spatial-temporal resolution. The advent of IoT networks with thousands of nodes in which processing will be accomplished automatically will increase the resolution of scientific data by orders of magnitude.

One key issue with the Internet of Things is the ability to rapidly create IoT applications. This workshop will cover the many aspects that have to be taken into account when planning an IoT network: low power wireless communications, sensors and their calibration, IPv6 networks, energy efficiency and privacy issues.

Topics:

- Introduction to the Internet of Things
- Design & functioning of wireless IoT technologies
- Low Power Wide Area Networks (LPWANs)
- Introduction to IPv6
- IoT data security, privacy and trust
- Blockchain applications for IoT
- Designing & programming of the Web of Things
- Sensor technology

Local Organizer:

M. Zennaro, ICTP

How to apply:

Online application:

<http://indico.ictp.it/event/7972/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

10 April 2017



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