

Workshop on LPWAN Solutions for the Internet of Things



17 - 21 February 2020
Makerere University, Kampala, Uganda

Further information:
<http://indico.ictp.it/event/9033/>
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The involvement of National Research and Education Networks (NREN) in East Africa is key for the growth of Internet of Things (IoT) applications in the region, as they can host the access infrastructure to foster research in IoT and to serve the IoT community at large.

Description:

The growth of the Internet of Things will depend crucially on the establishment of a low cost infrastructure to handle traffic generated by IoT nodes. Low Power Wide Area Network (LPWAN) solutions based on open standards that address the requirements of scalability, heterogeneity, security and complexity will be presented in the workshop. We will focus on The Things Network (TTN), an initiative to build a world-wide open source infrastructure to facilitate a public Internet of Things. TTN operates by allowing users to share the access to gateways. We think NRENs in the region should play a leading role in hosting this infrastructure. As TTN allows for low-bandwidth communications over long distances, it can facilitate the deployment of applications relevant to East African countries.

Topics:

- Wireless solutions for IoT;
- LoRa and LoRaWAN protocols;
- Prototyping of sensor boards;
- Planning and deployment of a LPWAN network;
- Collection and visualization of the data.

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How to apply:

Online application:
<http://indico.ictp.it/event/9033/>

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 East Africa. There is no registration fee.

Deadline:

6 December 2019



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