



RADIO SCIENCE FOR HUMANITY

Why the Internet-of-Thing is becoming reality?

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Keywords: Internet of Things, LPWAN.

It is widely accepted that the Era of IoT can potentially connect billions of sensors, devices, equipment, systems, etc. In turn, the challenge is about driving business outcomes, consumer benefits, and the creation of new value. While benefits of IoT are clearly stated for increased process efficiency through automation & optimization, the deployment of such devices in a large scale is still held back by technical challenges. However, there are a number of small revolutions that are rapidly turning IoT into reality. In this presentation, we will present how new contributions in the domain of hardware, communication, data storage and data-processing definitely make the IoT paradigm to happen with an unpreceding level of flexibility and cost effective implementations. The presentation will also discuss how IoT can become reality in developing countries or rural areas by carefully take into account these specific contexts when designing and developing IoT frameworks and platforms. We will illustrate with outcomes of the H2020 WAZIUP project that targets deployment of low-cost IoT in sub-Saharan Africa countries.