Special Session: Internet of Things Education

Title

Internet of Things Education

Acronym

IoTEdu'19

Overview

The Internet of Things (IoT) is widely considered as the next step towards a digital society, where objects and people are interconnected and interact through communication networks. IoT not only has a huge social impact, but can also support the employability and boost the competitiveness of companies. It is widely considered as one of the most important key drivers for the implementation of the so-called Industry 4.0 and for the digital transformation of the companies. Relevant impact of this technology is expected in a wide range of sectors.

The rapid infusion of IoT technologies has created an important educational challenge, namely the need to train a large number of professionals able to design and manage IoT based devices, networks and systems for a large number of different sectors. The special session "Internet of Things Education" within the EDUCON 2019 Conference focuses on all the educational activities related to IoT, including academic and VET programs, work-based education, virtual and remote labs for didactic porpoises, national and international educational policies and instruments, and international projects.

Topics

We welcome submissions from all topics of education applied to Internet of Things, including but not limited to the following:

- VET programs on IoT
- Academic courses on IoT
- Best practices in IoT education
- Remote and virtual labs on IoT
- Work-based learning on IoT
- IoT educational policies at national and international level
- National and international education projects related to IoT
- Training needs of the labour market related to IoT
- Industry-university collaboration on IoT education
- International collaboration in IoT education

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