Smart cities, IOT & Machine Learning

Smart cities have become smarter than before thanks to the recent developments of digital technologies. A smart city is equipped with different electronic elements employed by several applications, like street cameras for observation systems, sensors for transportation systems, etc. In addition, this can spread the usage of individual mobile devices and IOT (internet of things) techniques that enable to use affordable wireless technology and transmit the data into the cloud at a component level, considering heterogeneous environment. It also provides a place to save, manage and secure data. On the other hand, Machine Learning (ML) is one of the most recent advanced techniques. It enables IT systems, such as smart cities systems, to recognize patterns on the basis of existing algorithms and data sets and to develop adequate solution concepts. Recently, ML reaches great success in many fields, especially in the health sector, image processing, speech recognition, self-driving, etc.

The Computer Science session in the international International Pluridisciplinary PhD Meeting (IPPM'20) will be mainly related to the aforementioned topics. It aims to create a common community from academia (in particular PHD students) and industry to share best practices, tools and methodologies.

SMART CITY

Themes:

The Internet of thing and the real world

Security of the IoT

Social media and the IoT

Deep learning and data structuration in the IoT environment

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