Overcoming barriers in the emerging smart city market: the SynchroniCity approach

Presentation Abstract

Digital technologies are playing a crucial role in the "smart city"revolution which envisions to transform cities into more sustainable, efficient, and liveable communities, as well as enable them to deliver better services to the citizens. The Internet of Things (IoT) forms a critical part of the digitization process. In fact, IoT infrastructures are increasingly becoming an important element in providing the underpinning digital layer of smart city services as they create adequate awareness of real world processes to drive more efficient (autonomous) decision making.

Various demonstrators of IoT-enabled smart cities are emerging, which show the benefits of data-driven services based on IoT infrastructures. However, many of these systems currently operate in silos both in terms of technology and city operating environments.

In this talk, I will explore the current smart city ecosystem, highlighting the main challenges that acts as barriers to growth, impeding rapid innovation, and inhibiting widespread market adoption.

I will then outline the vision and goals of the SynchroniCity project, which aims to remove such barriers and also create a global IoT market by piloting its foundations at scale across eight European cities.