

IoT as Enabling Technology for Smart Cities

PANEL SESSION @ IEEE RTSI

Torino, September 17, 2015

Panel Organizer and Moderator:

Enrico Macii

Politecnico di Torino

- Smart city applications are emerging as driving markets for pervasive sensors, wearable electronics and IoT in general.
- IoT applications:
 - impose constraints in terms of pervasivity, power consumption, reliability and timeliness.
 - require increasing computational capabilities to process real-time data streams and to implement complex communication protocols.
 - need to be interfaced with cloud-based platforms for integration of many data sources and further processing.
- In this panel we discuss the major hardware and software challenges for smart city applications, trying to understand what are the emerging technologies and computational paradigms and their impact on future markets of electronics devices and programming models.

- Andrea Acquaviva, Polito
- Giuliana Gangemi, STMicroelectronics
- Vladimir Bataev, Esperanto XL
- Luigi Cicchese, Reply
- David Atienza, EPFL

- *Enrico Macii, Polito*