IEEE Consumer Communications & Networking Conference (CCNC)
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Call for Papers for *Sensing, Smart Spaces, and IoT Track*

Scope and Motivation:

In a few years we will no longer see the objects of our daily life in the same way that we used to. In fact, they are going through a deep transformation: once they get an Internet address, they become part of an interconnected environment where "things" can talk to each other as well as collect and exchange data and information with traditional networking devices or directly with humans.

By sharing the information on their status and sensing the surrounding environment, communicating things will increase the awareness and the intelligence of the space we work and live in. The unleashed potential of communicating things will bring a countless set of new applications, services and products to the consumer market. This set will encompass several smart spaces such as smart cities, smart homes, smart factories, smart product management and smart farming.

The "always connected" paradigm and the multitude of sensors, actors, and analysis backends that interact with each other create new challenges on the social level, engineering level, as well as for the security and privacy.

Main Topics of Interest:

The Sensing, Smart Spaces, and IoT Networking Track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Smart spaces foundations and architectures

- IoT paradigms, systems, components, architectures, applications

- Smart spaces and semantic web

- Tools for developing IoT applications

- Social networking in smart spaces

- Cloud vs distributed computing for the IoT

- M2M and D2D communications in smart spaces

- Security and privacy control mechanisms

- Security Testing Smart Spaces and the IoT

- Performance and management of smart spaces

- MAC protocols for IoT

- Address management and End-to-End Addressability

- Object, device and service management

- RFID, sensors, actuator technologies

- Middleware for IoT

- Sustainable design and technologies for smart spaces

- Smart spaces test-beds and field trials

- Testing and Verification of Sensors and IoT architectures

Track Chairs:

Achim D. Brucker, SAP SE, Germany

David Llewellyn-Jones, LMJU, Liverpool, UK