



**INVITED SESSION SUMMARY**

**Title of Session:**

Internet of Things: Architecture, Technologies and Applications

**Name, Title and Affiliation of Chair:**

**Prof. Angelo Chianese**  
**Dr. Francesco Piccialli**

**Details of Session (including aim and scope):**

Internet of Things (IoT) is a platform and a phenomenon that allows everything to process information, communicate data, analyze context collaboratively and in the service of individuals, organizations and businesses. In the process of doing so, a large amount of data with different formats and content has to be processed efficiently, quickly and intelligently through advanced algorithms, techniques, models and tools. This new paradigm is enabled by the maturity of several different technologies, including the internet, wireless communication, cloud computing, sensors, big data analytics and machine learning algorithms.

**The topics include but are not limited to:**

- Network Design and Architecture
- Software Architecture and Middleware
- Mobile Services
- Data and Knowledge Management
- Context-awareness and Location-awareness
- Security, Privacy and Trust
- Performance Evaluation and Modeling
- Networking and Communication Protocols
- Machine to Machine Communications
- Intelligent Systems for IoT and Services Computing
- Social Implications for IoT
- Future of IoT and Big Data
- Technological focus for Smart Environments
- Next Generation Networks
- Smart City Examples and Case Studies
- Data Analysis and Visualization for Smart City
- Architecture for secure and interactive IoT
- Sensor Networks, Remote Diagnosis and Development

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

**Website URL of Call for Papers (if any):**

**Email & Contact Details:**

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