



IoT-SoS 2013

Second IEEE International Workshop on the
Internet of Things:
Smart Objects and Services

June 4, 2013. Madrid, Spain
co-located with IEEE WoWMoM 2013

<http://www.ing.unipi.it/iot-sos2013/>

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Call for Papers

The Internet of Things (IoT) is a novel paradigm which is shaping the evolution of the future Internet. According to the vision underlying the IoT, the next step in increasing the ubiquity of the Internet, after connecting people anytime and everywhere, is to connect inanimate objects. By providing objects with embedded communication capabilities and a common addressing scheme, a highly distributed and ubiquitous network of seamlessly connected heterogeneous devices is formed, which can be fully integrated into the current Internet and mobile networks, thus allowing for the development of new intelligent services available anytime, anywhere, by anyone and anything. Such a vision is also becoming known under the name of Machine-to-Machine (M2M), where the absence of human interaction in the system dynamics is further stressed.

Many applications with high social and business impact fall under the IoT/M2M umbrella, including personal healthcare, smart grid, surveillance, home automation, intelligent transportation, while it is expected that new ones will emerge once the enabling technologies reach a stable state. At the moment, two of the most important challenges are:

- the definition of architectures, protocols and algorithms for an efficient interconnection of smart objects, both between themselves and with the (Future) Internet;
- the creation of value-added services, esp. open and interoperable, enabled by the interconnection of things / machines / smart objects, in such a way that they can be integrated with current and new business and development processes.

Topics of interest include, but are not limited to:

- System architectures for the IoT/M2M
- Communication protocols for the IoT/M2M
- Service platforms for the IoT/M2M
- Enabling technologies and standards for the IoT/M2M
- Mobility management
- Context awareness
- Sustainable design
- Location-based services and geographic information systems
- Industrial use cases showing gaps to be filled by future research
- Experimental prototypes and pilots; large-scale testbed infrastructures
- Performance evaluation of IoT/M2M solutions
- Convergence with the Internet of Services
- Applications, including: eHealth/mHealth; Smart Grid/Smart Metering; connected consumer; fleet management; surveillance; Intelligent Transportation Systems; Smart House/Neighborhood/City
- Business development and processes

Submission instructions

All submissions must describe original research, not published or currently under review for another workshop, conference, or journal. Submission implies the willingness of at least one author to attend the workshop and present the paper. Accepted papers will be included in the main proceedings of IEEE WoWMoM 2013 and published by IEEE. You can find detailed submission instructions at <http://www.ing.unipi.it/iot-sos2013/submission.shtml>

Important dates

Manuscript Submission Due: **March 6, 2013 (11:59pm EST) **EXTENDED****
 Notification of acceptance: **April 7, 2013.**
 Final Manuscript Due: **April 21, 2013.**

Contact information

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