Call for Papers for
Workshop on Convergent Internet of Things (C-IoT)

Workshop Co-Chairs

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http://icc2016.ieee-icc.org/cfw

Scope
The Internet of Things (IoT) has been explored and implemented in a number of variations with significant efforts from academia and industry. Currently, mainstream IoT directions are drifting towards application specific solutions and the development of proprietary versions of IoT. Under the premise of ubiquitous Internet access and IPv6 connectivity, many IoT variants have evolved without considering interoperability across the spectrum of existing and operable infrastructures, nor the impact on underlying networking infrastructures and ensuing performance. We invite original work that aims at a convergent view of IoT, one that specifically adopts heterogeneous architectures, and inherently builds upon interoperability with existing connected infrastructures. This encompasses work on resource identification, calibration, profiling, and utilization in a dynamic IoT framework. We invite original contributions that address crowd-based IoT infrastructures, encompassing incentive schemes, and collaboration and cooperation schemes, to ensure maximal utility of ubiquitously accessible smart resources. We strongly encourage results from industry and academia, and solicit research that facilitates functional scalability for a truly survivable version of IoT.

Topics of Interest
Specific topics include, but are not limited to:
- Convergent paradigms in the Internet of Things
- Heterogeneous architectures for the Internet of Things
- Crowd-based IoT infrastructures
- IoT systems collaboration and cooperation mechanisms
- IoT Interoperability issues
- Device-2-Device interaction across application domains
- Ad hoc resource management in the Internet of Things
- Resource identification, discovery, and profiling in heterogeneous IoT
- Resource sharing and actuation conflicts resolution
- IoT services orchestration and scheduling
- IoT infrastructures for Big Data management and communication
- Innovative IoT incentive schemes
- Legal and governance frameworks for IoT regulation

Important Dates
Paper submission deadline: December 4, 2015
Acceptance notification: February 21, 2016
Camera-ready paper: March 13, 2016