

APPLICATIONS, TECHNOLOGIES AND SOCIETAL IMPACTS OF INTERNET OF THINGS

The WF-IOT 2014 Conference seeks to investigate how progress in technologies and applications of Internet of Things can be nurtured and cultivated for the benefit of society. Original papers are solicited in, but are not limited to, the following categories:

Technologies:

- Sensor and Actuator Networks
- Body Sensor Networks and Portable Devices
- NFC, EPCGlobal, and Short Range Evolution
- Constrained Devices and Gateways
- Energy and Power-Saving Technologies
- Routing and Control Protocols
- Architectures and Middleware, Heterogeneous Networks, Web of Things
- Sensors Data management, Big Data and Data Mining, Distributed Storage, Data Fusion; Distributed Sensing and Control, Resource Management and Access Control Mobility, Localization, and Management Aspects
- Security, Trust and Privacy
- Identity Management and Object Recognition
- Localization Technologies
- Internet Applications Naming and Identifiers
- Semantic Technologies

Application and Services:

- Collaborative Applications and Systems, Context Awareness, Ambient Intelligence
- Service Experiences and Analysis including, but not limited to: Smart Cities, Home/Building Automation, e-Health, e-Wellness, Automotive, Intelligent Transport, Energy Management, Consumer Electronics, Assisted Living, Rural Services and Production, Industrial IoT Service Creation and Management Aspects

Societal Impacts:

- Human Role in the IoT
- Social Aspects and Services
- Value Chain Analysis and Evolution Aspects
- New Human-Device Interactions for IoT, Do-It-Yourself
- Social Models and Networks
- New Value Chains Enabled by IoT and Impacts on Existing Ones
- Green IoT: Sustainable Design and Technologies
- Metrics, Measurements, and Evaluation of the IoT Sustainability and ROI
- Privacy and Security Concerns

Experimental Results

Contributions describing results that close the gap between research and implementation are sought. These include, but are not limited to:

- Experimental Prototypes, Test-Beds, and Field Trials Experiences
- Performance Modeling and Networks Technologies
- Performance Analysis
- Scalability, Reliability, and Robustness;
- Gaps Analysis for Future Research and Standardization
- Standardization and Regulation

Paper Submission and Publications:

The conference accepts two types of submissions:

Full papers describing original research and innovation, not to exceed four pages. Papers will be full peer reviewed, included in conference proceedings, and considered for indexing and publication in IEEE Xplore®.

Extended abstracts describing initial results of new research areas or relevant topics from an industrial point of view, not to exceed two pages.

Important Dates for Paper Submissions:

Manuscripts Due: September 30, 2013
Acceptance Notification: November 30, 2013
Camera-Ready Submission: December 31, 2013

Tutorial and Special Session Submissions:

Tutorial proposals, not to exceed two pages, should include tutorial title, presenter contact information and biography, keywords, a short description of the target audience, and a detailed outline of the tutorial. Special Sessions should compliment the regular program with new and emerging topics of interest.

Important Dates for Tutorial and Special Session Submissions:

Tutorial Proposals Due: September 30, 2013
Special Session Proposals Due: August 31, 2013

Papers must be submitted electronically at edas.info/N15701 using IEEE templates provided at www.ieee.org/conferences_events/conferences/publishing/templates.html

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