IEEE pimrc

IEEE International Symposium on Personal, Indoor and Mobile Radio Communications

9-12 September 2018 – Bologna, Italy

IEEE ComSoc IEEE Communications Society

Call for Workshop Papers

PIMRC 2018 Workshop W8:

International workshop of Trends and challenges in Social Internet of Things (TC-SIoT'2018)

https://tc-siot.tincnet.fr

Extended Deadline: May, 28, 2018

Extended versions of accepted papers will be published in a special issue of Sensors (http://www.mdpi.com/journal/sensors), ISSN 1424-8220, Impact Factor 2.677

Workshop Organiser(s):

Dr. Hanen IDOUDI, University of Manouba, Tunisia

Dr. Sami SOUIHI, University of Paris-Est Créteil, France

Motivation and Background

As the Internet of Things (IoT) is evolving, it is expected that, in a near future, billions of objects will be connected, and that the things will get smarter. Recently, a novel interaction model is proposed for objects in order to enhance their cooperation to build better user oriented services. Social interaction among the SIoT objects generate a huge volume of data to be analyzed and processed for various applications such as social VANET, e-health, smart Homes, Smart Grid, Smart Factories, etc. Such a dynamic landscape requires new specific infrastructures, enabling technologies, models, theories and approaches of interaction and collaboration. Due to their complex structure and all-in-one embedded nature, SIoT are raising numerous concerns regarding their architectural design, implementation, and operational manageability.

International workshop of Trends and challenges in Social Internet of Things seeks submissions on the following topics

- SIoT architecture, protocols and models
- Applications of SIoT in smart cities, e-health, Agriculture, etc.
- Quality of service and quality of experience for SIoT
- Cyber-physical security and data privacy in SIoT
- Trustworthiness management in SIoT
- Prototyping of SIoT (Simulation and testbed)
- Communication infrastructure and technologies for SIoT : sensor networks, M2M communications, resource-constrained networks, real-time systems, SDN, NFV.
- Data Integration, Data Dissemination, Big Data Management, and Data analytics in SIoT
- Heterogeneity and interoperability of objects in SIoT
- Blockchain-based SIoT security solutions
- Blockchain-based SIoT Applications, Platforms, Systems and Frameworks
- Autonomic service discovery and composition in SIoT
- Integration of SIoT and Cloud computing

Submission Guidelines

Prospective authors are invited to submit technical papers of their previously unpublished work. Accepted workshop papers will be part of the Conference Proceedings and will be uploaded to IEEE Xplore. Papers should be submitted via EDAS: https://edas.info/newPaper.php?c=24921&track=91424

Papers should follow the same Author guidelines of the general symposium, which are available at http://pimrc2018.ieee-pimrc.org/authors/submission-guidelines/ and https://tc-siot.tincnet.fr.

Key Dates

Paper submission (Extended and Firm):	**May 28, 2018**
Acceptance notification:	**June 15, 2018**
Final paper due:	**June 29, 2018**
Workshop Date:	**September 9, 2018**