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IEEE
GLOBECOM 2014
GLOBAL COMMUNICATIONS CONFERENCE,
EXHIBITION & INDUSTRY FORUM

8-12 DECEMBER ★ AUSTIN, TEXAS, USA

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IEEE COMMUNICATIONS SOCIETY

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Call for Papers for
Selected Areas in Communications Symposium
- Internet of Things Track-

Scope and Motivation:

The Internet of Things track will focus on future technologies and research challenges associated to new applications and services bridging the physical and virtual worlds. The Internet of Things is a key enabler for the realization of the new M2M initiative as it allows for the pervasive interaction with/between smart things leading to an effective integration of information into the digital world. These smart (mobile) things - which are instrumented with sensing, actuation, and interaction capabilities - have the means to exchange information and influence the real world entities and other actors of a smart city eco-system in real time, forming a smart pervasive computing environment. The objective is to reach a global access to the services and information through the so-called Web of Things and efficient support for global communications.

The aim of the Internet of Things track is to bring together researchers from both academia and industry in order to have a forum for discussion and technical presentations on the recent advances in theory, application and implementation of the Internet of Things concepts.

Main Topics of Interest:

The Internet of Things Track seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Future technologies bridging the physical and virtual words
- Architectures for the Internet of Things
- Machine to Machine (M2M) protocols
- Cloud computing and IoT internetworking
- Web of Things and Semantic
- Embedded Web Services
- Mobile integration of the Web of Things
- Adaptation of legacy technologies and RFID to IPv6
- Lightweight structured data (EXI, JSON…)
- Indexing, naming, and addressing the Internet of Things
- Intelligent data processing for the IoT

- Experiences with Open Platforms and hardware within IoT
- Novel concepts such as Crowd-sourcing
- User-oriented, context-aware IoT services
- Semantic technologies for devices and services
- Integration of the Handle System
- Security, Trust, Privacy and Identity in the IoT
- Building automation and smart buildings
- New services through mobile computing and smart phones interaction
- Experiences and field trials of IoT applications: Smart cities, digital
- IoT in homes, smart grid, e-health, agriculture and environment, manufacturing, logistics, social networking, etc.

Sponsoring Technical Committees:

- Technical Committee on Information Infrastructure and Networking

How to Submit a Paper:

The IEEE Globecom 2014 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2014. Unlike recent ICC's and Globecom's, this is a hard deadline that will not be extended.**

Symposium Track-Chair:

Nadjib Achir, University of Paris 13, France, nadjib.achir@univ-paris13.fr

Nadjib Achir received in 1999 the M.S. degree from the University of Versailles Saint Quentin en Yvelines, France. In 2003 he obtained the Ph.D. degree in computer networks from the University of the Pierre et Marie Curie, Paris 6. From 2002 to 2004, he was an associate lecturer at the University of Paris 11 and École Nationale Supérieure d'Informatique pour l'Industrie et l'Entreprise (ENSIIE), France. From December 2004, he is assistant professor at University of Paris 13, France. Nadjib Achir current research interests include Ad hoc and Sensor Networks, Gaming support over wireless and wire-line network, Wireless and Mesh Networks, Performance evaluation. He published his work in major IEEE conferences (ICC, Globecom, PIMRC, WCNC, VTC, CCNC) and journals. He was the track Chair of Home networking track of the 1st IFIP Wireless Days 2008 and the general co-chair of IFIP Wireless Days 2009. He also acted or still acts as TPC member of many IFIP, ACM or IEEE conferences and workshops