



Special Issue on Internet of Things and Cloud Services

Journal of Future Generation Computer Systems, Elsevier

IoT is considered as an integral part of the future Internet. It is based on interoperable communication protocols in order to enable the interaction and integration of virtual as well as physical Things such as computers, smart devices, sensors, cars, refrigerators, food packages, medicines, etc. IoT is generally characterized by real world and small Things, limited capacity, constrained devices and the consequential issues such as less reliability, security and privacy. Cloud computing on the other hand deals mainly with virtual world and has unlimited capabilities in terms of storage and processing power. Thus cloud and IoT are the main complementary aspects of the future Internet. IoT can benefit from the unlimited capabilities and resources of cloud computing. Similarly, cloud can benefit from IoT by extending its scope to deal with real world things in a more distributed and dynamic manner.

This special issue aims to foster the dissemination of high quality research with new ideas, approaches, theories and practice to resolve the challenging issues related to Internet of Things and/or Cloud Services. Original research articles are solicited which include (but not limited to), the following topics:

- Software architecture and middleware
- Mobile software services
- Context awareness
- Data processing and management
- Security, privacy and reliability
- Performance evaluation and modelling
- Energy efficiency
- Mobile web of things

Submission Procedure:

Papers submitted to this special issue must be original and must not be under consideration for publication in any other journal, conference, or workshop.

This special issue is an open one. The main target audience will be the papers accepted for the 2nd International Conference on Future Internet of Things and Cloud (FiCloud-2014) and the 11th International Conference on Mobile Web Information Systems (MobiWIS 2014).

Extended versions of the papers (accepted for the FiCloud 2014 and MobiWIS 2014) must contain significant amount of new material such as new experiments, results, and related work (e.g., recently published work in FGCS journal or other related publications).

All papers submitted to the special issue will be reviewed by independent reviewers. The journal editors will make final decisions on the acceptance of the papers.

Authors should prepare their manuscript according to the Guide for Authors available from the online submission page of the *Future Generation Computer Systems* at

<http://ees.elsevier.com/fgcs/>. Authors must select “SI: FiCloud 2014” when they reach the “Article Type” step in the submission process.

Important dates:

- Submission deadline: 15 November 2014
- Review notification: 20 December 2014
- Submission of revised papers: 20 January 2015:
- Final decision: 20 February 2015

Guest Editors:

Dr Muhammad Younas,
Department of Computing and Communication Technologies
Oxford Brookes University,
Oxford, OX33 1HX, UK
Email: m.younas@brookes.ac.uk

Prof Irfan Awan,
Department of Electrical Engineering and Computer Science
University of Bradford
Bradford, BD7 1DP, UK
Email: i.u.awan@bradford.ac.uk

Dr Antonio Pescape,
Dipartimento di Ingegneria Elettrica e delle Tecnologie dell'Informazione
University of Napoli, Federico II, Italy
Email: pescape@unina.it