Special Issue on **Adaptive Systems and Applications for Networking**

Guest editors:
Prof. Antonio Gentile, Università degli Studi di Palermo, Italy
Dr. Salvatore Sorce, Università degli Studi di Palermo, Italy

- Call for Papers -

Under the current trends in developing and deploying complex networked systems and applications, and under the continuous changes of system and application requirements, adaptation is a key feature.

Furthermore, with the advent of the Internet-of-Things (IoT), different kind of devices are to be networked to compose systems that provide people with services to be accessed anywhere anytime. Such devices are equipped with different network capabilities (range, radio- or wire-based, etc.); often, the same device performs different tasks and must be networked in different ways with the others within the same system. In this case, adaptation is mandatory to make IoT feasible.

Adaptive Systems and Applications for Networking represents one of the main objectives of IJAIS. With this special issue we are actively seeking high quality papers providing balanced but critical presentations, which encompass not only well-supported empirical results, but also the underpinning conceptual work.

This special issue aims at the collection of a wide variety of contributions, ranging from the state-of-the-art to emerging topics pertaining to adaptation and interoperability, both from the principles and the application points of view, passing through middle-level solutions.

The issue will carry revised and substantially extended versions of selected papers presented at the 27th IEEE International Conference on Advanced Information Networking and Applications (AINA-2013), but we also strongly encourage participation from interested researchers.

Subject Coverage

Topics of interest include but are not limited to:

- Middleware for device integration
- Adaptive applications
- Self-organized networks, services and applications
- Vehicular communications and vehicular ad-hoc networks
- Wireless-enabled peer-to-peer services and applications
- Internet of things
- Context-aware middleware design, services and applications
- Emerging topics in wireless and mobile computing and communications
- Security, trust and privacy in wireless/mobile communications
- Network performance analysis
- Fault diagnosis and fault tolerant systems
- Middleware and macroprogramming
- Communication and network protocols
- Information and signal processing
- Fundamental theoretical limits and algorithms
- Prototypes, field experiments, testbeds

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers must be submitted online. To submit a paper, please read our information on preparing and submitting articles.

Important Dates

Submission of Manuscripts: 30 July, 2013
Notification to Authors: 30 October, 2013
Final Versions Due: 30 November, 2013
Tentative Publication: 1 January 2014