

INDERSCIENCE PUBLISHERS

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SPECIAL ISSUE

Title

Special Issue on: "Next-Generation Web Services and distributed architectures in the Future Internet"

Guest Editors

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Description

[aims/objectives/content/readership/etc]

The emerging large scale distributed computing paradigms, such as clouds and grids allow their users to locate applications/services, computing and storage resources anywhere in the world, relying on a completely "transparent" transport infrastructure, according to an abstract model that hides the resources' specific physical location by providing declarative interfaces to services known as Web Services, including messaging protocols, standard interfaces, directory services, as well as security layers, for efficient/effective business application integration.

The Internet is often the basis of these paradigms; it has grown very fast in the last years in its pervasiveness and coverage, empowering a large variety of network based cooperative systems ranging from Ubiquitous and Pervasive Computing infrastructures and web-based systems to the Internet of Things.

This scenario, despite its great potential impact on the Information Society, also raises new performance, security, privacy, and multi-tenancy support concerns and poses new research challenges associated to the involved communication and service delivery solutions.

Accordingly, the goal of this special issue, also publishing extended versions of selected contributions from the AINA 2013 conference, is to feature latest advances and directions in this amazing evolution process by exploring the potential of new architectures, protocols, services and applications in the next generation Future Internet environment.

Subject coverage

Topics include, but are not limited to, the following:

- Next generation network services, protocol design and evaluation
- Network solutions for fully distributed architectures (Clouds, Grids)
- Distributed Algorithms and Systems for Grid and Cloud environments
- Security and privacy in Grid and Cloud Organizations
- Security and privacy in web services
- Discovery and search in the web of services
- Cloud based service for Future Internet
- Web of things
- Wireless, and Mobile Communications in the Internet of Things scenario
- Pervasive and Ubiquitous services.
- Ontologies for interoperability
- Methodology and Practice of Semantic Grid and Web
- Web and Grid Service-based Applications

- Semantic Middleware improving distributed Information Access in Grid and Cloud organizations
- Scalability of the identification systems for the Future Internet
- Multimedia Communication and Applications in Future Internet
- Overlay and Programmable Networks and distributed infrastructures
- Content Delivery Networks
- Agents, Mobile Agents, and Knowledge Based Technologies in Web and Grid services
- Architectures for Collective Knowledge Systems

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. Please read our [information on preparing and submitting articles](#).

Deadlines for Submission

[amend as required]

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