

Special Issue Call for Papers:

Intelligent Cloud Services

Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

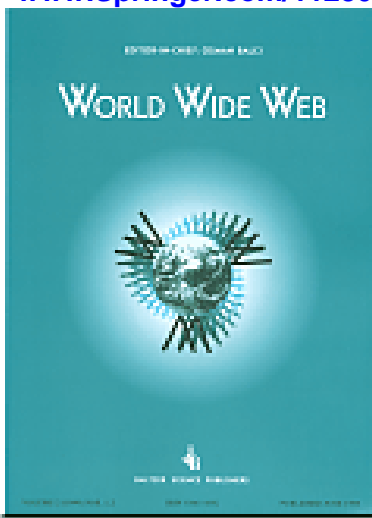
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Manuscripts should be submitted to: <http://WWWJ.edmgr.com> under the article type "Intelligent Cloud Services." This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats.

Important Dates

- Submission deadline: 1st August 2014
- First round review results: 30th September 2014
- Submission of revised papers: 31st October 2014
- Second round review results: 30th November 2014
- Selection of papers for publication: December 2014

www.Springer.com/11280



ISSN: 1386-145X (print)
1573-1413 (electronic)

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Cloud computing has become an exciting multidisciplinary research field, where different computing paradigms and technologies coexist. However, its multi-disciplinary and multi-paradigmatic nature has raised questions and challenges in achieving and leveraging full potential and expectations of use of Cloud computing systems. Among such interesting frontiers there is the "Intelligent Cloud Services and Systems", whereby Cloud Services are equipped with robust and intelligent mechanisms that enable them to respond to external input and users in an autonomic, smart self-healing manner.

In this special issue we will explore not just about intelligent Cloud Services, but the interplay between them and Cloud Systems (Cloud Systems comprise of the entire ecosystem of entities in Cloud computing such as Cloud broker, Cloud registry, Cloud composer, and could be made up of multiple Clouds). Additionally exploring the use and deployment of intelligent cloud services as a means to manage big data applications to offer new functionalities and advanced user-centric services.

Topics to the special issue include:

- Cloud Services Analytics (e.g. arising from users profiles and activities, tracking, querying, etc., to profile, predict and analyze user behaviors)
- Agent-based approaches to Cloud Intelligent Services
- Self-Organizing Agents for Service Composition and Orchestration
- Self-service cloud and self-optimization
- Cloud self-service provisioning, release and consumption (Pricing, SLA that includes security, privacy, etc., Management, Monitoring, Execution Management, Accounting, etc.)
- Cloud resource allocation services, optimization and game-theoretic approaches
- Trust in Cloud services
- Emerging areas of applications in the frontier of web and cloud computing

This special issue solicits papers from an open call and extended papers selected from IEEE AINA 2014, 13th - 16th May 2014, Victoria, Canada. IEEE AINA 2014 (<http://www.aina-conference.org/2014/>) is a major annual international conference and is sponsored by the Technical Committee of Distributed Processing (TCDP) of the IEEE Computer Society.

The journal submission should extend considerably (a minimum of 30%) with new content. Papers that are essentially the same as conference papers will be rejected straightway and will not be considered for review.