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Important dates

Paper submission:
31-03-2011

Acceptance notification:
31-07-2011

Final papers:
15-10-2011

Call for Papers

A Special Issue of Information Sciences

"Cloud Computing Service and Architecture Models"

Cloud computing represents a new paradigm where computing resources are being offered as services and accessed by others from anywhere in the world via Internet. In this approach, the cloud is the single point of access to the computing needs of the cloud users. The cloud services are characterized by being fully managed by the provider, being sold on demand, and being elastic as users can have as much of a service as they need in a particular moment. This new approach provides important benefits such as cost reduction, higher device and location independence, higher reliability and scalability, improved resource utilization, etc. However, there are several open issues that still need to be addressed such as the loss of control over sensitive data, the definition of new management and integration models or the lack of standards.

This special issue of Information Sciences will present a set of articles that cover recent research results on cloud computing. In particular, it aims to present highly technical papers describing novel cloud computing service and architecture models addressing any of the following specific topics: security, privacy, and trust, mobile users support and mobile clouds, (self-) management, infrastructure-platform-application integration, and federation of and internetworking between clouds.

This special issue is aimed at readers interested in recent and novel cloud computing models providing a solution to key open problems existing nowadays at the service and architecture levels.

For more information
www.elsevier.com/computerscience

About the issue

This special issue seeks original articles on the following specific cloud computing topics:

- Security, Privacy, and Trust models
- Models for supporting mobility in the cloud and mobile clouds
- Fault-tolerance, reliability and consistency models
- Maintenance and (self-)management models
- Infrastructure-platform-application integration models
- Models for creating and managing federations of clouds and internetworking between clouds (InterClouds)

Submission format

Papers will be evaluated based on their originality, presentation, relevance and contribution to the field of cloud computing, as well as their suitability to the special issue, and for their overall quality. The submitted papers must be written in excellent English and describe original research which has not been published nor currently under review by other journals or conferences. Previously published conference papers should be clearly identified by the authors (at the submission stage) and an explanation should be provided how such papers have been extended to be considered for this special issue. Guest editors will make an initial determination of the suitability and scope of all submissions. Papers that either lack originality, clarity in presentation or fall outside the scope of the special issue will not be sent for review and the authors will be promptly informed in such cases.

Author guidelines for preparation of manuscript can be found at www.elsevier.com/locate/ins

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Submission Guideline

All manuscripts and any supplementary material should be submitted through Elsevier Editorial System (EES). The authors must select as "Special Issue: Cloud Computing" when they reach the "Article Type" step in the submission process. The EES website is located at:

http://ees.elsevier.com/ins/

Guide for Authors

This site will guide you stepwise through the creation and uploading of you article. The guide for Authors can be found on the journal homepage (www.elsevier.com/ins).