

CALL FOR PAPERS
Journal of Computational Science
Special Issue on
Optimization in Distributed Information Systems

Information systems, in most cases, are designed in a distributed form, with a number of physical devices participating and cooperating to accomplish a request. In recent years, with the rapid development of network technology, the scale of physical devices in distributed information systems has greatly increased, creating a series of problems on the system performance and quality of services ranging from distributed task processing, distributed data storage, network communication to various other components in the system. Also, an increasing number of applications with different task types are being deployed in one large-scale distributed information system, making the system more difficult to be managed. Optimizing the system performance is a challenging and important issue to not only provide high-quality services but also boost system reliability, availability, utilization and so on. Therefore, new and innovative optimization methods are paramount in improving the system performance.

This special issue aims to report the latest scientific advances and stimulate continuing research endeavors on optimization in distributed information systems. We solicit manuscripts from researchers and practitioners on various aspects of optimization strategies and policies to address the system performance issues encountered in distributed information systems. We cordially invite researchers and practitioners to submit original research, innovations, solutions and development work.

Potential topics include, but are not limited to:

- Optimization theories on distributed information systems
- Optimization in clouds, grids and clusters
- Optimization in big data processing and storage

- Optimization in networking and communication
- Optimization in mobile computing
- Optimization in smart city
- Optimization in Internet of Things
- Simulation optimization

Submission Guidelines:

Original and unpublished contributions that should not currently be under review by another journal are solicited. All papers submitted to this Special Issue will undergo the standard review procedures of Journal of Computational Science. All manuscripts should be submitted through the Elsevier Editorial System: <http://www.journals.elsevier.com/journal-of-computational-science/>).

Important Dates:

Submission Deadline: September 01, 2016

Author Notification: November 01, 2016

Final Paper: December 31, 2016

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