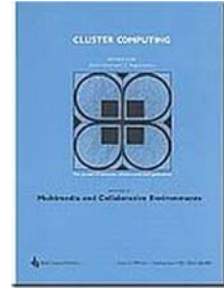


Cluster Computing Journal

Special Issue on “Research Trends in Cloud, Cluster and Grid Computing”



Introduction

During the last decades, many researchers in cluster and grid computing community have been devoted to developing new and efficient algorithms and architectures for cluster and grid computing. The effort has resulted in advances in new paradigms for high performance computing systems such as cluster computing and grid computing. Nevertheless, there are still many research issues need to be addressed in the arena of cluster computing and grid computing. This special issue invites high quality contributions addressing theoretical and practical problems in various aspects of cluster computing and grid computing, including parallel algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems.

Topics

Topics of interest include, but are not limited to:

- Cloud, cluster and grid computing
- Data management and engineering in grid and cluster computing
- Distributed middleware, systems and applications
- Distributed/parallel algorithms and systems
- High-performance distributed computing
- Network routing and communication algorithms
- Performance evaluation and measurements for cluster and grid computing
- Reliability, fault-tolerance, and security issues for cluster and grid computing
- Sensor network and ubiquitous computing
- Tools and environments for software development
- Wireless networks, mobile and pervasive computing

Submission Details

All the papers should be full journal length versions and follow the guidelines set out by Cluster Computing Journal (<http://www.springer.com/computer/communication+networks/journal/10586>). Manuscripts should be submitted online at <http://www.editorialmanager.com/clus/> choosing “New Research Trends in Cluster and Grid Computing” as article type, no later than August 31, 2011. Information about the manuscript (title, full list of authors, corresponding author’s contact, abstract, and keywords) should also be sent to the corresponding editor Prof. James J. Park (jonghyukpark2010@gmail.com). All the papers will be peer-reviewed following the Cluster Computing Journal reviewing procedures.

Important Dates (Tentative)

Submission of papers: August 31, 2011

First-round acceptance notification: November 30, 2011

Revision: December 31, 2011

Final decision: January 31, 2012

Publication of special issue: 3Q/4Q in 2012

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