

Special Issue CALL FOR PAPERS

The Knowledge Engineering Review

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Special Issue on " Trends in High-Performance Computing and Communications for Ubiquitous Computing"

With the rapid growth in computing and communications technology, the past decade has witnessed a proliferation of powerful parallel and distributed systems and an ever increasing demand for practice of high performance computing and communications (HPCC) for Ubiquitous Computing. HPCC has moved into the mainstream of computing and has become a key technology in determining future research and development activities in many academic and industrial branches, especially when the solution of large and complex problems must cope with very tight timing schedules.

This special issue aims to foster the dissemination of high quality research in any new idea, method, theory, technique, and research regarding HPCC. The objective of this special issue is to showcase the most recent developments and research, as well as to enhance its state-of-the-art. Original and research articles are solicited in all aspects of HPCC including theoretical studies, practical applications, state-of-the-art technologies and experimental prototypes for HPCC. The submitted manuscripts will be peer reviewed and selected on the basis of both their quality and their relevance to the theme of this special issue.

Topics include, but not limited to:

- Parallel and distributed system architectures
- Parallel and distributed software technologies
- Parallel and distributed algorithms
- Embedded systems
- Grid, cluster and peer-to-peer computing
- Web services and internet computing
- Performance evaluation and measurement
- Distributed systems and applications
- High-performance scientific and engineering computing
- Database applications and data mining
- Biological/molecular computing
- Mobile computing and wireless communications
- Network protocols, routing, algorithms
- Pervasive/ubiquitous computing and intelligence
- Autonomic, reliability and fault-tolerance
- Trust, security and privacy

Submission Guideline

Please include title/abstract and author contact information in text format in the email. More information about the Knowledge Engineering Review, such as Instructions for Authors, may be found at http://assets.cambridge.org/KER/KER_ifc.pdf

The submissions should be sent in PDF format to the guest editor via email (thkim2005@gmail.com). For further information about this special issue, please do not hesitate to contact the guest editor.

Important Date

- Deadline for submissions: Aug. 30, 2009
- Notification of acceptance: January 31, 2010
- Final versions due: March 15, 2010
- Publication dates: 3rd or 4th quarter, 2010 (Tentative)

Guest Editors

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