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CALL FOR PAPERS

Special Issue on **Challenges and Future Trends in Pervasive Grid**

(<http://www.sersc.org/journals/IJMUE/>)

International Journal of Multimedia
and Ubiquitous Engineering

Scope

This special issue brings the integration of two important subjects of nowadays researches (Grid and Pervasive Computing) which originated the Pervasive Grid.

Pervasive Grid stands for hardware and software infrastructures or space/environment that provides proactive, autonomic, trustworthy, and inexpensive access to pervasive resource sharing capabilities anywhere, anytime and for anyone. Such resources can be either high performance clusters or smart devices such as sensors, appliances, robots etc.

The aim of this special issue is to present innovative research results, methods and techniques related to Pervasive Grid. The contributions will include articles on new advances, research challenges and future trends in Pervasive Grid.

Topics

Areas of interest for this special issue include, but are not limited to, the following topics:

- » Cluster computing
- » High performance computing
- » Grid computing
- » Ubiquitous/pervasive networks
- » Service-oriented computing
- » Peer-to-peer computing
- » Pervasive computing
- » Mobile computing
- » Grid and pervasive related applications
- » Autonomic computing
- » Opportunistic grid
- » Mobile peer-to-peer grid
- » Ad hoc grid

Tentative Schedule

- Submission due date: September 1, 2008
- Notification of acceptance: November 1, 2008
- Camera-ready paper due date: December 1, 2008
- Publication date: 1st Quarter, 2009 (Tentative)

Submission

Authors are invited to submit original papers that have not been submitted in parallel to any other conferences or journals. Authors submitting papers from PerGrid 2008 should include the paper detail (e.g. paper number and title) in their emails while submitting the paper. Papers submitted from PerGrid 08 should be extended with at least 30% new contents of the original paper.

The papers will be peer reviewed and selected based on their quality, significance and relevance to the scope of the Special Issue. Please submit your papers to the Guest Editors: denko@cis.uoguelph.ca, L.Guan@lboro.ac.uk and xingang.wang@ieee.org.

Paper must be prepared with PDF. For the format and page limit of the manuscript, please see <http://www.sersc.org/journals/IJMUE/>.

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