CALL FOR PAPERS

**2nd International Workshop on
Parallel Programming Models and Systems Software for High-End Computing (P2S2 2009)**

September 22nd, 2009

http://www.mcs.anl.gov/events/workshops/p2s2

**In conjunction with the 38th International Conference on Parallel Processing (ICPP'09)
Vienna, Austria**

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Scope of the Workshop

The P2S2 workshop provides a forum for engineers and scientists in academia, industry and government to present their latest research findings in aspects of parallel programming models and systems software. We are soliciting contributions in areas including but not limited to:

- Systems software for high-end scientific and enterprise computing architectures
    - Communication sub-subsystems for high-end computing
    - High-performance File and storage systems
    - Fault-tolerance techniques and implementations
    - Efficient and high-performance virtualization and other management mechanisms
- Programming models and their high-performance implementations
    - MPI, Sockets, OpenMP, Global Arrays, X10, UPC, Chapel, Fortress and others
    - Hybrid Programming Models
- Tools for Management, Maintenance, Coordination and Synchronization
    - Debugging and Management libraries for large-scale systems
    - Software for Enterprise Data-centers using Modern Architectures
    - Job scheduling libraries
    - Toolkits for process and task coordination on modern platforms
- Performance evaluation, analysis and modeling of emerging computing platforms

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Conference Timeline

Paper Submission Deadline   February 27th, 2009
Author Notification   May 1st, 2009
Final Manuscript Due   June 5th, 2009

Proceedings of the workshop will be published by the IEEE Computer Society in CD Format only and will be available at the workshop. See the P2S2 workshop website for instructions on electronic paper submission.

Journal Special Issue

The *best* papers of P2S2'09 will be included in a special issue of the **International Journal of High Performance Computing Applications (IJHPCA) on Parallel Programming Models and Systems Software for High-End Computing.**