

# P2S2

International Workshop on  
Parallel Programming Models  
and System Software for HEC

## Call for papers

The First International Workshop on Parallel  
Programming Models and System Software for High End  
Computing (P2S2 2008)

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*Argonne National Laboratory*  
Pete Wyckoff,  
*Ohio Supercomputer Center*

Portland, Oregon (September 8, 2008)

In Conjunction with: The 27th International Conference on  
Parallel Processing (ICPP '08)

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

### Scope

The goal of this workshop is to bring together researchers and practitioners in parallel programming models and systems software for high-end computing systems. Please join us in a discussion of new ideas, experiences, and the latest trends in these areas at the workshop.

### Topics of Interest

The focus areas for this workshop include, but are not limited to:

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

### Proceedings

Proceedings of this workshop will be published by the IEEE Computer Society (together with the ICPP conference proceedings) in CD format only and will be available at the conference.

### Submission Instructions

Submissions should be in PDF format in U.S. Letter size paper. They should not exceed 8 pages (all inclusive). Submissions will be judged based on relevance, significance, originality, correctness and clarity.

### Dates and Deadlines

Paper Submission: April 11th, 2008  
Author Notification: May 20th, 2008  
Camera-Ready Copy: June 2nd, 2008