

CALL FOR PAPERS

The Sixth International Workshop on Parallel Programming Models and Systems Software for High-End Computing (P2S2 2014)

September 9th, 2014

<http://www.mcs.anl.gov/events/workshops/p2s2/2014>

**In conjunction with the 43rd International Conference on Parallel Processing (ICPP'14)
Minneapolis, Minnesota**

Program Co-chairs

*Pavan Balaji, Argonne National Laboratory
Abhinav Vishnu, Pacific Northwest National Lab
Yong Chen, Texas Tech University*

Publicity Chair

Wesley Bland, Argonne National Laboratory

Steering Committee

*William Gropp, Univ. of Illinois at Urbana Champaign
Vijay Saraswat, IBM Research*

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 for high-end computing
- Programming models and their high-performance implementations
 - MPI, Sockets, OpenMP, Global Arrays, X10, UPC, CAF, Chapel, and others
 - Hybrid Programming Models
- Tools for Management, Maintenance, Coordination and Synchronization
 - Software for Enterprise Data-centers using Modern Architectures
 - Job scheduling libraries
 - Management libraries for large-scale system
 - Toolkits for process and task coordination on modern platforms
- Performance evaluation, analysis and modeling of emerging computing platforms

Technical Program Committee

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Jesper Traff, University of Vienna, Austria
Yunquan Zhang, Chinese Academy of Sciences

Conference Timeline

Paper Submission Deadline	March 15 th , 2014 Anywhere on Earth (Extended to March 29th)
Author Notification	May 21 st , 2014
Final Manuscript Due	June 15 th , 2014
Workshop Date	September 9 th , 2014

Proceedings of the workshop will be published in CD Format and will be available at the workshop. The accepted papers will be submitted to IEEE Xplore and CSDL. See the P2S2 workshop website for instructions on electronic paper submission.

The best papers of P2S2-2014 will be included in a **Special Issue on Parallel Programming Models and Systems Software** of the **Parallel Computing (ParCo)**, edited by Pavan Balaji, Abhinav Vishnu, and Yong Chen. This special issue is dedicated for the papers accepted in the P2S2 workshop. The submission to this special issue is by invitation only, and the submission deadline is August 8th, 2014.