Call for Papers
14th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP 2009)

February 14-18, 2009
Research Triangle Park, North Carolina
(co-located with HPCA-15)
http://ppopp09.rice.edu

General Chair
Daniel Reed, *Microsoft Research*

Program Chair
Vivek Sarkar, *Rice University*

Program Committee
To be announced

Local Arrangements Chair
Frank Mueller, *NC State University*

Finance and Registration Chair
Martin Schulz, *LLNL*

Important dates

Abstracts:	August 11, 2008
Full Papers:	August 18, 2008
Posters:	August 18, 2008
Rebuttal:	October 1-3, 2008
Notification:	October 17, 2008

PPoPP is a forum for leading work on all aspects of parallel programming, including foundational results, techniques, tools, and practical experience. In the context of the symposium, "parallel programming" is construed to encompass work on concurrent, multithreaded, multicore, accelerated, multiprocessor, and tightly-clustered systems. Given the rise of multicore processors, PPoPP is particularly interested in work that seeks to transition parallel programming into the computing mainstream.

Specific topics of interest include (but are not limited to):

- Parallel programming theory and models
- Formal analysis and verification
- Parallel programming languages
- Compilers and runtime systems
- Task-parallel libraries
- Parallel application frameworks
- Middleware for parallel systems
- Automatic parallelization
- Performance analysis, debugging and optimization
- Development, analysis, or management tools
- Parallel algorithms
- Parallel applications
- Concurrent data structures
- Synchronization and concurrency control
- Transactional memory
- Software engineering for parallel programs
- Fault tolerance for parallel systems
- Software techniques for accelerators (including GPGPUs)

Papers should report on original research relevant to parallel programming, and should contain enough background material to make them accessible to the entire parallel programming research community. Papers describing experiences should indicate how they illustrate general principles; papers about parallel programming foundations should indicate how they relate to practice. Poster submissions should meet similar criteria for originality and relevance, but may present emerging ideas or results that are not yet sufficiently developed for a full paper.

All submissions must be made electronically through the conference web site. Abstracts must include contact information, the full list of authors and their affiliations, and a description (100-400 words) of the anticipated content of the paper. Full paper submissions must be in PDF formatted for US letter-size paper. They must not exceed 10 pages (all inclusive) in standard ACM two-column conference format (preprint mode, with page numbers). Over-length submissions will be summarily discarded by the Program Chair. Submissions will be judged on relevance, originality, significance, clarity, and correctness. Poster submissions must conform to the same format restrictions, but may not exceed 2 pages in length. Paper submissions that are not accepted for regular presentations will automatically be considered for posters; authors who do not want their paper considered for the poster session should indicate this in their abstract submission. Two-page summaries of posters will be included in the conference proceedings.

The proceedings will be published by ACM Press. Authors of accepted papers and posters will be required to sign the ACM copyright form. Instructions for preparing papers for the proceedings will be emailed to authors of accepted papers.