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

The ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP) 2009 is seeking proposals for workshops and tutorials to accompany the conference. Workshops and tutorials will be held on Saturday-Sunday, February 14-15, 2009 and may be a half day or a full day in length.

We encourage members of the community to consider submitting proposals for workshops that bring together researchers and practitioners working on research topics of significant current interest, as well as workshops that bring together researchers and practitioners working in particular areas. Specific topics of interest include (but are not limited to):

- Parallel programming theory and models
- Performance analysis, debugging and optimization
- Middleware for parallel systems
- Parallel programming languages
- Compilers and runtime systems

- Parallel libraries or application frameworks
- Software issues for multicore and multithreaded processors
- Development, analysis, or management tools
- Parallel algorithms
- Concurrent data structures

- Synchronization and concurrency control
- Software engineering for parallel programs
- Fault tolerance for parallel systems
- Parallel applications
- Formal analysis and verification

Workshop proposals should include:
- The workshop title
- The organizers and their affiliations
- A description of the workshop and/or a proposed call for participation or papers (limited to 2 pages)
- The proposed length of the workshop (half day or full day; if half day, planned length in hours)
- If the workshop was previously held, the number of attendees at the last workshop and the number of presentations or papers given at the workshop.

Tutorial proposals should include:
- The tutorial title
- Organizers, presenters, and their affiliations
- A description of the tutorial (limited to 2 pages)
- The proposed length of the tutorial (half day or full day; if half day, planned length in hours)
- If the tutorial has been given previously, the location, date, and number of attendees at the last tutorial.

Submission

The deadline for workshop and tutorial proposals is September 14, 2008. Please submit all proposals by e-mail to to Sanjeev Kumar (skumarbhope@gmail.com) and include "PPoPP 2009" in the subject line.

Committee Information

General Chair: Daniel Reed, Microsoft Research
Program Chair: Vivek Sarkar, Rice University
Workshops and Tutorials Chair: Sanjeev Kumar, Pattern Insight Inc.

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Call for Papers
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Important dates

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

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

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.