

# Call for Papers

## 16<sup>th</sup> ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP 2011)

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### Workshops and Tutorials Chair

Christoph von Praun, *OHM Univ., Nuremberg, Germany*

### Important dates

Abstracts:	July 25, 2010
Full Papers:	August 1, 2010
Posters:	August 1, 2010
Rebuttal:	October 3-5, 2010
Acceptance:	October 22, 2010



San Antonio, TX, February 12 – 16, 2011  
(co-located with HPCA)

<http://www.ppop.org>

PPoPP is a forum for leading work on all aspects of parallel programming, including foundational and theoretical aspects, techniques, tools, and practical experiences. In the context of the symposium, "parallel programming" encompasses work on concurrent and parallel systems (multicore, multithreaded, heterogeneous, clustered systems, distributed systems, and large scale machines). Given the rise of parallel architectures into the consumer market (desktops, laptops, and mobile devices), PPoPP is particularly interested in work that addresses new parallel workloads, techniques and tools that attempt to improve the productivity of parallel programming, and work towards improved synergy with such emerging architectures.

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
- Software productivity for parallel programming
- Middleware for parallel systems
- Performance analysis, debugging and optimization
- Development, analysis, or management tools
- Parallel algorithms
- Parallel applications
- Concurrent data structures
- Synchronization and concurrency control
- Software engineering for parallel programs
- Fault tolerance for parallel systems
- Software for heterogeneous architectures
- Programming tools for parallel and heterogeneous systems
- Parallelism in non-scientific workloads: web servers, search, analytics

Papers should report on original research relevant to parallel programming, and should contain enough background materials 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 lettersize paper. They must not exceed 10 pages (all inclusive) in standard ACM two-column conference format (preprint mode, with page number). Templates for ACM format are available for Microsoft Word, and LaTeX at <http://www.sigplan.org/authorinformation.htm> (use the 9 pt template). Over-length submissions will be summarily discarded by the Program Chair. Submissions will be judged on correctness, relevance, originality, significance, and clarity.

Paper submission is double-blind to reduce reviewer bias against or for authors or institutions. Thus, the submissions cannot include author names, institutions or hints based on references to prior work. If authors are extending their own work, they need to reference and discuss the past work in third person, as if they were extending someone else's research. We realize that for some papers it will still reveal authorship, but as long as an effort was made to follow these guidelines, the submission will not be penalized. Authors must identify any conflicts-of-interest with PC members and external members of the community, as defined here: [http://www.sigplan.org/review\\_policies.htm](http://www.sigplan.org/review_policies.htm) (ACM SIGPLAN policy).

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. Instructions for preparing papers for the proceedings will be emailed to authors of accepted papers.

# Call for Workshops and Tutorials

## 16<sup>th</sup> ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP 2011)

### February 12-16, 2011 San Antonio, TX

The ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP) 2011 is seeking proposals for workshops and tutorials to accompany the conference. Workshops and tutorials will be held on Saturday–Sunday, February 12–13, 2011 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
- Formal analysis and verification
- Parallel programming languages
- Compilers and runtime systems
- Task-parallel libraries
- Parallel application frameworks
- Software productivity for parallel programming
- Middleware for parallel systems
- Performance analysis, debugging and optimization
- Development, analysis, or management tools
- Parallel algorithms
- Parallel applications
- Concurrent data structures
- Synchronization and concurrency control
- Software engineering for parallel programs
- Fault tolerance for parallel systems
- Software for heterogeneous architectures
- Programming tools for parallel and heterogeneous systems
- Parallelism in non-scientific workloads: web servers, search, analytics
- Teaching parallelism

## Submission details

Deadline for submission:	August 1, 2010
Notification of acceptance:	August 30, 2010

Prospective workshop organizers are invited to submit a completed workshop proposal form or tutorial proposal form in plain text format to the PPoPP 2011 workshop and tutorials chair (Christoph von Praun), via email to [praun@acm.org](mailto:praun@acm.org). Please note that this is a firm deadline. If successful, organizers are required to produce a final report after the workshop has taken place that is suitable for publication in SIGPLAN Notices. Information about SIGPLAN publication and sponsorship is available at [http://www.sigplan.org/sigplan\\_workshop\\_proposal.htm](http://www.sigplan.org/sigplan_workshop_proposal.htm).

## Selection committee

The workshop proposals will be evaluated by the members of the PPoPP 2011 organizing committee.