

Call for Workshops and Tutorials

17th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (2012)

The ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPoPP) 2012 is seeking proposals for workshops and tutorials to accompany the conference. Workshops and tutorials will be held on Saturday-Sunday, February 25-26, 2012 and may be a half day or a full day in length.

Proposal submission deadline: September 12, 2011

Notification of acceptance: September 26, 2011

Please send all proposals to the workshops/tutorials chair, Xipeng Shen, at xshen@cs.wm.edu and include "PPoPP 2012" in the subject line.

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.

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
- Middleware for parallel systems
- Parallel programming languages
- Compilers and runtime systems
- Automatic parallelization
- Parallel libraries or application frameworks
- 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 issues for multicore and multithreaded processors
- Software for accelerators and hybrid systems
- Task mapping and scheduling

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
- 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
- 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.