Call for Papers
First International Workshop on Parallel Software Tools and Tool Infrastructures (PSTI 2010)
Held in Conjunction with ICPP 2010, The 39th International Conference on Parallel Processing
San Diego, CA, September 13-16, 2010

San Diego, CA, USA
September 13-16*, 2010
http://www.psti-workshop.org

Key Dates
Submission Deadline: April 5, 2010
April 26, 2010
Notification of Acceptance: June 7, 2010
Final Papers Due: June 28, 2010

Organization
Tasneem Brutch, Samsung R&D, USA
Karl Fuerlinger, UC Berkeley, USA
Josef Weidendorfer, TU München, DE

Program Committee
Rainer Buchty, U Karlsruhe, DE
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The advent of multicore and manycore systems requires that programmers understand how to design, write and debug parallel programs effectively. The increased complexity of multi-threaded parallel programming on multicore platforms requires more insight into program behavior, and necessitates the use of tools that can support programmers in migrating existing software to multicore platforms, and in writing new multi-threaded parallel software. Programmers need increasingly sophisticated methods for instrumentation, measurement, analysis and modeling of applications. To help software developers embrace the multicore revolution, we need both sophisticated tools to support parallel software development, and an extensible tool infrastructure that promotes integration of existing and new tools, and simplifies information exchange and access.

Topics of interest include, but are not limited to:
• Static and dynamic analysis tools
• Instrumentation, measurement, analysis, and modeling of applications
• Analysis and visualization tools for assisting programmers with parallel software design
• Active testing tools
• Applications profiling and performance analysis
• Data visualization and analysis infrastructures for interaction of tools

Paper Submission
Submissions should be formatted according to the IEEE standard double-column format with a font size 10 pt or larger and are limited to 10 pages in length. Submissions should represent original, substantive research results. At least one author of every accepted paper is required to attend the conference in order for the paper to be included in the final proceedings. Proceedings of the workshop will be published in electronic format and will be available at the conference.

Submit your manuscripts via email to: submission@psti-workshop.org

(*) PSTI 2010 will be held as a one day workshop, exact date of the workshop to be announced. San Diego skyline image credit: Flickr user peasap under the CC license.