Call for Papers and Tool Demos

Second International Workshop on Parallel Software Tools and Tool Infrastructures (PSTI 2011)

Held in Conjunction with ICPP 2011, The 40th International Conference on Parallel Processing

Taipei, Taiwan
September 13-16*, 2011
http://www.psti-workshop.org

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 for a paper submission include

• Static and dynamic analysis techniques
• Instrumentation, measurement, analysis, and modeling
• 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

Tool demonstration sessions

In addition to a regular papers session we plan to hold a tool demonstration session during the workshop in which tool developers can demonstrate features and functionality of their software tools. A submission for the tool demo session should include a short description of the tool (max. 5 pages) and be sent to fuerling@nm.ifi.lmu.de by April 11th, 2011.

Paper Submission

Paper 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. Please check the workshop webpage (www.psti-workshop.org) for submission details.

(*) We plan to hold PSTI 2011 as a one-and-a-half day workshop, exact date of the workshop to be announced. Taipei skyline image credit: Wikimedia under the creative commons license.

Key Dates
Submission Deadline: April 25, 2011
Notification of Acceptance: June 6, 2011
Final Papers Due: June 27, 2011

Organization
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