



Parallel Architectures and Compilation Techniques 2009 (PACT-2009)

Raleigh, North Carolina, September 12–16, 2009

<http://pact09.renci.org>

Call for Papers

Deadlines

Abstracts: Saturday, March 21, 2009, 8AM EDT
Full Papers: Saturday, March 28, 2009, 8AM EDT

All authors must register their paper title, abstract and affiliation by March 20, 2009, in order to be allowed to submit a full paper. Absolutely no exceptions.

PACT is a multi-disciplinary conference that brings together researchers from the hardware and software areas to present ground-breaking research related to parallel systems ranging across instruction-level parallelism, thread-level parallelism, multiprocessor parallelism and large scale systems. PACT solicits novel, unpublished papers on a broad range of topics that include, but are not limited to, the following:

- Parallel architectures and computational models
- Compilers and tools for parallel computer systems
- Multicore, multithreaded, superscalar, and VLIW architectures
- Support for concurrency correctness in hardware and software
- Compiler/hardware support for managing memory hierarchies
- Hardware and software support for power/heat-aware parallel computing
- Parallel accelerators and reconfigurable computing
- Dynamic translation and optimization for parallel systems
- I/O issues in parallel computing and their relation to applications
- Parallel programming languages, algorithms and applications
- Middleware and run-time system support for parallel computing
- Reliability and fault tolerance for parallel systems
- Modeling and simulation of parallel systems and applications
- Parallel applications and experimental systems studies
- Non-traditional parallel computing systems topics

Important dates:

- Abstract submission: Friday March 20, 2009
- Full paper submission: Friday March 27, 2009
- Tutorial/Workshop submission: Friday March 27, 2009
- Author Notification: May 22, 2009
- Final paper due: June 26, 2009
- Conference: Saturday to Wednesday, September 12–16, 2009

Information for Authors:

- Detailed information for electronic submission will be posted on the PACT 2009 Web site (<http://pact09.renci.org/>).
- The abstract submission includes a description (100–300 words) of the paper and an indication of the key topics of the paper.
- Your paper should be formatted in PDF format for letter-size paper. Submissions must be viewable by Adobe Acrobat Reader (version 7.0 or higher). Your submission may not exceed 10 pages of conference two column paper format using 10pt fonts; an appropriate LaTeX style sheet is available from the web site listed above. The program chairs will summarily return submissions exceeding the page limit.

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