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International Conference on

Parallel Architectures and Compilation Techniques

PACT'06

Seattle, Washington
September 16-20, 2006

Call for Papers

<http://www.pactconf.org/pact06>

Conference Objectives

The purpose of PACT is to bring together researchers from architecture, compilers, applications and languages to present and discuss innovative research of common interest. PACT solicits novel papers on a broad range of topics that include, but are not limited to:

- Parallel architectures and computational models
- Compilers and tools for parallel computer systems
- Superscalar, VLIW, multicore and multi-threaded architectures
- Compiler/hardware support for hiding memory latencies
- Hardware and software support for energy/heat-aware computing
- Hardware and software for network processing
- Reconfigurable computing
- Dynamic translation and optimization
- I/O issues in parallel computing and their relation to applications
- Parallel programming languages, algorithms and applications
- Run time system support for parallel systems
- Mobile/wireless computing for parallel applications
- Application specific systems
- Applications and experimental systems studies
- Parallel processing in type safe languages (Java, C#, etc.)
- Non-traditional computing systems topics
- Support for correctness in hardware and software (esp. with concurrency)

Information for Authors

Abstract submissions are due March 27, 2006 and paper submissions are due April 3, 2006. No extensions will be granted. Detailed instructions for electronic submission and other important dates will be posted on the PACT conference web site (<http://www.pactconf.org/pact06>). For additional information regarding paper submission, please contact the Program Chairs, Kevin Skadron (skadron_at_cs_dot_virginia_dot_edu) or Ben Zorn (zorn_at_microsoft_dot_com).

Tutorials / Workshops

Proposals are solicited for tutorials and workshops to be held during the conference. Interested individuals are invited to submit proposals to the Workshops Chair, Albert Cohen (Albert_dot_Cohen_at_inria_dot_fr), and the Tutorials Chair, Sandhya Dwarkadas (sandhya_at_cs_rochester_edu).

