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International Conference on

Parallel Architectures and Compilation Techniques

PACT'05

Saint Louis, Missouri
September 17-21, 2005

Call for Papers

<http://www.pactconf.org/pact05>

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 and multithreaded 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 the context of Java
- Non-traditional computing systems topics

Information for Authors

Abstract submissions are due March 23rd, 2005 and paper submissions are due March 30th 2005. 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/pact05>). For additional information regarding paper submission, please contact the Program Chair, Kathryn McKinley (mckinley@cs.utexas.edu).

Tutorials / Workshops

Proposals are solicited for tutorials and workshops to be held during the conference. Interested individuals are invited to submit proposals to the Workshop chair, Jose Martinez (martinez@cs.cornell.edu), and the Tutorials chair, Craig Zilles (zilles@cs.uiuc.edu).

