



PACT 2002

The 2002 International Conference on Parallel Architectures and Compilation Techniques

Charlottesville, Virginia

late September/early October 2002

<http://moss.csc.ncsu.edu/pact02/>

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Information for Authors

Detailed instructions for electronic submission and important dates will be posted on the PACT conference website. For any additional information regarding paper submission, please contact the Program Chairs, Erik Altman (erik@watson.ibm.com) or Sally McKee (sam@cs.utah.edu). The paper submission deadline is **March 11, 2002** (12:00 Midnight Eastern Standard Time).

Preliminary Call for Papers

Conference Objectives

PACT brings together researchers from architecture, compilers, languages and applications to present groundbreaking research and debate key issues of common interest. This premier conference will be held in historic Charlottesville, Virginia, home of the University of Virginia, which was founded by Thomas Jefferson as one of the first public universities in the United States. Charlottesville is nestled next to the beautiful Shenandoah mountains, with the homes of three presidents (Jefferson, Madison, and Monroe), Civil War sites, and many fine wineries nearby. PACT solicits novel papers on a broad range of topics, including, but not limited to:

- Parallel architectures and computation models
- Compilers and tools for parallel computer systems
- I/O issues in parallel computing
- Parallel processing in the context of Java
- Compiler/hardware support for efficient memory systems
- New architectures and compilers for ILP and TLP
- Novel uses for threads to improve performance or power
- Applications and experimental systems studies
- Application-specific systems
- Software dynamic translation and modification
- Technologies for managing power and heat
- Network processing and computing
- Non-traditional computing system topics
- Parallel programming languages and algorithms
- Operating system support for parallel systems

Tutorials / Workshops

Proposals are solicited for tutorials and workshops to be held during the conference. Interested individuals are invited to submit proposals to the conference organizers.