The Twenty-First International Conference on Parallel Architectures and Compilation Techniques

PACT 2012

Minneapolis, Minnesota, USA  September 19–23, 2012

http://pactconf.org

Sponsored by ACM SIGARCH, IFIP WG 10.3, IEEE TCCA and IEEE TCPP

CALL FOR PAPERS

PACT 2012 will 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 including, but not limited to:

- Parallel architectures and computational models
- Compilers and tools for parallel computer systems
- Multicore, multithreaded, superscalar, and VLIW architectures
- Compiler/hardware support for hiding memory latencies
- Support for correctness in hardware and software (especially with concurrency)
- Reconfigurable computing
- Dynamic translation and optimization
- 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
- High performance application specific systems
- Applications and experimental systems studies
- Topics in non-traditional computing systems

Detailed instructions for electronic submission will be posted on the PACT conference web site. For additional information regarding paper submissions, please contact the Program Co-chairs.

CALL FOR WORKSHOP/TUTORIAL PROPOSAL

We are soliciting proposals for workshops and tutorials to be held immediately before and after the conference. Interested individuals may contact the Workshop Chair and the Tutorial Chair.

ACM STUDENT RESEARCH COMPETITION

We are calling for participation in the ACM Student Research Competition (SRC). All eligible participants are entitled to an up to $500 travel grant. Winners will receive monetary and other prizes. Please see the PACT web site for details.

IMPORTANT DATES

- Abstract submission  March 16, 2012
- Paper submission (firm)  March 23, 2012
- Workshop and Tutorial Proposals  April 9, 2012
- Author notification  June 15, 2012
- ACM SRC Abstract submission  July 2, 2012