

HPCA-12 Call for Papers

12th International Symposium on High-Performance Computer Architecture

Austin, Texas, February 11-15, 2006

<http://www.hpcaconf.org/hpca12>

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The International Symposium on High-Performance Computer Architecture provides a high-quality forum for scientists and engineers to present their latest research findings in this rapidly changing field. Authors are invited to submit papers on all aspects of high-performance computer architecture. Topics of interest include, but are not limited to:

- Processor architectures
- Cache and memory systems
- Parallel computer architectures
- Impact of technology on architecture
- Power-efficient architectures and techniques
- High-availability architectures
- High-performance I/O systems
- Embedded and reconfigurable architectures
- Interconnect and network interface architectures
- Network processor architectures
- Innovative hardware/software trade-offs
- Impact of compilers on architecture
- Performance evaluation of real machines

Authors should submit an abstract before Monday, July 11, 2005, 9pm PST. They should submit the full version of the paper before **Monday, July 18, 2005, 9pm PST. No extensions will be granted.** The full version should be a PDF file that does not exceed 6,000 words according to the instructions in <http://www.hpcaconf.org/hpca12>. Papers that exceed the length limit or that cannot be viewed using Adobe Acrobat Reader (version 3.0 or higher) may not be reviewed. Papers should be submitted for **blind review**. Please indicate whether the paper is a student paper for best student paper nominations.

Papers will be evaluated based on their novelty, fundamental insights, and potential for long-term contribution. New-idea papers are encouraged.

Submission issues should be directed to hpca12@cse.psu.edu. Workshop and tutorial submissions should be directed to the workshop and tutorial chair at solihin@eos.ncsu.edu.

Important dates

- Abstract submission deadline : **July 11, 2005, 9pm PST (firm deadline)**
- Paper submission deadline: **July 18, 2005, 9pm PST (firm deadline)**
- Workshop and tutorial proposals due: **August 12, 2005**
- Author notification: **October 7, 2005**

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