

**IEEE**

HPCA-15 Call for Papers

15th International Symposium on High-Performance Computer Architecture

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Raleigh, North Carolina, February 14-18, 2009

<http://www.hpcacnf.org/hpca15>

(collocated with PPOPP'09)

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
- Reliable and secure architectures
- High-performance I/O systems
- Embedded and reconfigurable architectures
- Special purpose processors and accelerators
- Interconnect and on-chip network architectures
- Network processor architectures
- Innovative hardware/software trade-offs
- Impact of compilers and operating systems on architecture
- Performance modeling and evaluation

Authors should submit an *abstract by Sunday, August 10, 2008, 11pm EST*. They should submit the full version of the paper by **Sunday, August 17, 2008, 11pm EST. No extensions will be granted.** The full version should be a PDF file formatted according to instructions in <http://www.hpcacnf.org/hpca15>. Papers that do not adhere to the formatting instructions or that cannot be viewed using Adobe Acrobat Reader (version 3.0 or higher) may not be reviewed. Additionally, papers should be submitted for **blind review**. Please indicate whether the paper is a student paper. Submission issues should be directed to the Program Chair at tpink@usc.edu. We anticipate making a *Best Paper* award; all papers will be considered for nomination. Papers will be evaluated based on their novelty, fundamental insights, and potential for long-term contribution. New-idea papers are encouraged.

HPCA will host an *Industrial Paper Session* presenting novel insights from industry (see Call For Industry Papers at <http://www.hpcacnf.org/hpca15> and direct submissions to partha.ranganathan@hp.com). Workshop and tutorial proposals should be sent to the Workshop/Tutorial Chair at gbyrd@ncsu.edu.

Important dates

- Abstract submission: **August 10, 2008, 11pm EST (firm deadline)**
- Paper submission: **August 17, 2008, 11pm EST (firm deadline)**
- Workshop and tutorial proposals due: **September 14, 2008**
- Notification of paper outcome: **October 31, 2008**

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