



HPCA-17 Call for Papers

17th International Symposium on High-Performance Computer Architecture

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San Antonio, Texas, USA, February 12-16, 2011

<http://www.hpcaconf.org/hpca17>
(collocated with PPOPP-2011)

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, cache, and memory architectures
- Parallel computer architectures
- Multicore and multiprocessor architectures
- Impact of technology on architecture
- Power-efficient architectures and techniques
- Reliable and secure architectures
- High-performance I/O systems
- Embedded, reconfigurable, and heterogeneous architectures
- Interconnect and network interface architectures
- Network processor architectures
- Innovative hardware/software trade-offs
- Impact of compilers and system software on architecture
- Performance modeling, simulation, and projection techniques
- Architectures for emerging technology and applications

Authors should submit an abstract by **August 20, 2010, 11:59 PM EDT**. They should submit the full version of the paper **August 27, 2010, 11:59 PM EDT**. No extensions will be granted. The full version should be a PDF file that does not exceed 20 pages according to the instructions at <http://www.hpcaconf.org/hpca17>. 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. We anticipate making a *Best Paper* award; all papers will be evaluated based on their novelty, fundamental insights, and potential for long-term impact. New-idea papers are strongly encouraged. Submission issues should be directed to the program chair at shubumukherjee001@gmail.com. Workshop and tutorial submissions should be directed to the workshop and tutorial chair at burtscher@ices.utexas.edu by **September 1, 2010, 11:59 PM EDT**. HPCA-17 will host an *Industrial Paper Session* presenting novel insights from industry (see Call for Industry Papers at <http://www.hpcaconf.org/hpca17> and direct submissions to: srilatha.manne@amd.com).

Important dates:

- Abstract submission: **August 20, 2010, 11:59 PM EDT (firm deadline)**
- Paper submission: **August 27, 2010, 11:59 PM EDT (firm deadline)**
- Workshop & tutorial proposals due: **September 1, 2010 11:59PM EDT**
- Notification of paper outcome: **November 9, 2010**

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