HPCA-19 Call for Papers
19th International Symposium on High-Performance Computer Architecture
ShenZhen, China, February 23-27, 2013

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http://www.hpcaconf.org/hpca19
(collocated with PPoPP-2013 and CGO-2013)

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 architectures
- Impact of technology on architecture
- Power-efficient architectures and techniques
- Dependable/secure architectures
- High-performance I/O systems
- Embedded and reconfigurable architectures
- Interconnect and network interface architectures
- Architectures for cloud-based HPC
- Innovative hardware/software trade-offs
- Impact of compilers and system software on architecture
- Performance modeling and evaluation
- Architectures for emerging technology and applications

Authors should submit an abstract by Thursday, August 30, 2012, 11:59 PM EDT. They should submit the full version of the paper by **Friday, September 7, 2012, 11:59 PM EDT. No extensions will be granted.** The full version should be a PDF file that does not exceed 25 pages according to the instructions in http://www.hpcaconf.org/hpca19. Papers that exceed the length limit or that cannot be viewed using Adobe Reader (version 3.0 or higher) may not be reviewed. Papers should be submitted for double-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 encouraged. Submission issues should be directed to the program chair at <tullsen@cs.ucsd.edu>. Workshop and tutorial submissions should be directed to the workshop and tutorial co-chairs (mattan.erez@mail.utexas.edu, byzang@fudan.edu.cn). HPCA-19 will host an *Industrial Paper Session* presenting novel insights from industry (see Call for Industry Papers at http://www.hpcaconf.org/hpca19).

Accepted papers will be published in the conference proceedings distributed to conference attendees. Papers will also be uploaded to IEEE Xplore.

Important dates
- Abstract deadline: **August 30, 2012, 11:59 PM EDT (firm deadline)**
- Paper deadline: **September 7, 2012, 11:59 PM EDT (firm deadline)**
- Workshop and tutorial proposals due: **September 7, 2012**
- Notification of paper outcome: **November 13, 2012**

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