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HPCA 2018

24th IEEE International Symposium on High-Performance Computer Architecture

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24 – 28 February 2018

Vienna, Austria

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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, cache, and memory architectures
- Parallel computer architectures
- Multicore and multiprocessor architectures
- Impact of technology on architecture
- Dependable/secure architectures
- High-performance I/O systems
- Embedded, reconfigurable, and heterogeneous architectures
- Interconnect and network interface architectures
- Architectures for cloud-based HPC and data centers
- Innovative hardware/software trade-offs
- Impact of compilers and system software on architecture
- Performance modeling and evaluation
- Architecture for novel application workloads, such as AI or graph analytics
- Architectures for emerging technology and applications

Authors should submit an abstract by **July 25, 2017 11:59 PM CDT**. They should submit the full version of the paper **August 1, 2017, 11:59 PM CDT**. No extensions will be granted. The full version should be a PDF file following the submission guidelines that will be made available at the submission website. Papers should be submitted for blind review. New-idea papers as well as papers that significantly advance established areas are strongly encouraged. Submission issues should be directed to the program chair at yuanxie@ece.ucsb.edu. HPCA-24 will host an Industrial Paper Session presenting novel insights from industry. See the HPCA 2018 website at <http://hpca2018.ece.ucsb.edu> for additional information about HPCA 2018 and submission details.

Important Dates:

Abstract submission:
July 25, 2017

Paper submission:
August 1, 2017

For more information, please visit the HPCA 2018 conference web site at <http://hpca2018.ece.ucsb.edu>

