CALL FOR PAPERS

MICRO-43

December 4–8th, 2010 Atlanta, Georgia

THE 43rd ANNUAL IEEE/ACM INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE

Co-sponsored by IEEE-CS TC-uARCH and ACM SIGMICRO

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The *43rd International Symposium on Microarchitecture* is the premier forum for presenting, discussing, and debating new and innovative microarchitecture ideas and techniques for advanced computing and communication systems. The goals of this symposium are to bring together researchers in fields related to microarchitecture, compilers, and systems for technical exchange on traditional microarchitectural topics as well as emerging research areas. Historically, the MICRO community has enjoyed having close interaction between academic researchers and industrial designers; we aim to continue and emphasize this tradition at MICRO-43. Papers are solicited in fields including the following:

- ILP and TLP architectures and designs: superscalar, VLIW, multithreaded, multicore, manycore, etc.
- Compiler techniques for instruction-level, thread-level, and memory-level parallelism
- Architectures and compilers for embedded processors, DSPs, GPUs, ASIPs (network processors, multimedia, wireless, …)
- Dynamic optimization, emulation, and object code translation
- Advanced software/hardware speculation and prediction schemes
- Power, performance, and implementation efficient designs
- Microarchitecture support for reliability, dependability, and security
- Microarchitecture modeling and simulation methodology

THE DEADLINE FOR ABSTRACT SUBMISSIONS IS JUNE 4th, 2010 at 6PM US Eastern Time. Abstracts must be no more than 250 words.

THE DEADLINE FOR PAPER SUBMISSIONS IS JUNE 11th, 2010 at 6PM US Eastern Time. Please submit one electronic copy of the paper in PDF format. Please see the conference website for paper submission format information. Author rebuttals will be accepted between Aug 3-5th, 2010. Author notifications will be send during the week of Aug 16th, 2010. For additional details, please consult the conference website:

http://www.microarch.org/micro43