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Sixth Annual IEEE/ACM INTERNATIONAL SYMPOSIUM ON CODE GENERATION AND OPTIMIZATION (CGO-6)

April 6-9, 2008 – Boston, Massachusetts



CALL FOR PAPERS

Co-sponsored by IEEE Computer Society TC-uARCH  and ACM SIGMICRO 
In cooperation with ACM SIGPLAN

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The International Symposium on Code Generation and Optimization (CGO) provides a premier venue to bring together researchers and practitioners working on feedback-directed optimization and back-end compilation techniques. The conference covers static, dynamic, adaptive or continuous optimization. Original research contributions are solicited in areas including but not limited to the following:

- Compilers, back-end code generators, translators, and binary optimization tools
- Profiling and feedback-directed methodologies
- Intermediate representations to support optimization
- Thread extraction and thread-level speculation
- Techniques for optimizing for parallelism, especially for multi-core systems
- Power and energy efficiency optimizations
- Optimization techniques for security and reliability
- Optimizations for transactional memory
- Memory management, including data distribution and synchronization
- Program characterization and phase analysis techniques
- Interaction of optimizations with modern hardware
- Architectural and system support for optimizations
- Experiences with real compilation and optimization systems, particularly with large, complex applications

IMPORTANT DATES: Abstract deadline is September 7, 2007. **Submission deadline is September 14, 2007. There will be NO EXTENSIONS.** Please visit the conference website for paper format guidelines and submission instructions. Notification of acceptance will occur by November 9, 2007.

Contact Chandra Krintz (ckrintz@cs.ucsb.edu) to submit your workshop or tutorial for collocation! Deadline: Nov. 16, 2007.

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