CALL FOR PAPERS

Third Annual IEEE/ACM INTERNATIONAL SYMPOSIUM ON CODE GENERATION and OPTIMIZATION (CGO-3)

March 2005 – Bay Area, California
http://www.cgo.org/

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 spans the spectrum from purely static to fully dynamic techniques. CGO addresses code optimization and the interaction of optimization with modern hardware. It is of special interest to those focused on system performance and other benefits visible to system users. Papers are solicited in:

- Feedback-directed optimization
- Program characterization and analysis techniques
- Thread speculation and parallel compiler optimizations
- Dynamic compilation, adaptive execution, and continuous profiling/optimization
- Efficient profiling techniques
- Back-end code generation
- Binary translation/optimization
- Compilation for embedded systems and emerging application areas
- Trace cache and trace-based optimizations
- Incorporation of compilation techniques in hardware
- New and innovative analyses, transformations, and intermediate representations applied to dynamic and feedback-directed optimization
- Experiences with real dynamic optimization and compilation systems
- Architectural and system support for dynamic and feedback-directed optimization
- Trade-offs of when (static/dynamic) and where (software/hardware) to optimize
- Phase analysis and optimization
- Traditional compiler optimizations

SUBMISSION DEADLINE:

Sept. 6, 2004 at 9pm PDT. Abstracts must be submitted before the deadline. There is an automatic one-week extension for full papers. There will be no other extensions. Submit one electronic copy of your 6000-word paper in PDF format. Please visit the website for paper format guidelines and submission instructions. Notification of acceptance will occur by October 30th.