Fourth Annual IEEE Computer Society/ACM INTERNATIONAL SYMPOSIUM ON CODE GENERATION and OPTIMIZATION (CGO-4)

March 26-29, 2006 – New York, New York

CALL FOR PAPERS

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

The International Symposium on Code Generation and Optimization (CGO) provides the 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 topics spanning:

- Feedback-directed optimization
- Phase-based optimization
- Dynamic compilation, adaptive execution, and continuous profiling/optimization
- Binary translation/optimization
- Efficient profiling techniques
- Program characterization and analysis techniques
- Thread extraction and thread-level speculation
- Parallel compiler optimizations
- Back-end code generation
- Compilation for embedded systems and emerging application areas
- Incorporation of compilation techniques in hardware
- 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
- Other areas of interest to the code generation and optimization community

SUBMISSION DEADLINE: September 9, 2005 at 9pm PDT
There is an automatic extension of one week. No other extensions will be given. Submit one electronic copy of your 6000-word paper in PDF format. See the website for format guidelines and submission instructions. Notification of acceptance will occur by November 4th.

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