CALL FOR PAPERS

MICRO-32

THE 32nd ANNUAL IEEE/ACM INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE

with special emphasis on
Instruction-Level Parallel Processing

Haifa, Israel
November 16-18, 1999

Sponsored by **IEEE TC-MICRO** and **ACM SIGMICRO**

Important Dates:
SUBMISSION: JUNE 1; Acceptance: AUG. 6; Final version: SEP. 3

The annual MICRO conference has provided a key venue for the dissemination of ideas and advances in the field of computer microarchitecture research. MICRO is the premier forum for discussing and debating issues relating to instruction-level parallelism, compilation techniques and microarchitectures. This year's conference in Haifa promises to be an invigorating and rewarding continuation of this conversation. The goals of this conference are to bring together researchers in fields related to instruction-level parallelism, to encourage interaction, and to further the state of the art in high-performance computing. Papers are solicited in areas such as the following:

- ILP architectures and designs: superscalar, VLIW, multithread, low power, ...
- Compiler techniques for instruction-level parallelism: Software pipelining, global scheduling, register allocation, memory disambiguation, novel optimizations
- Advanced software and hardware speculation schemes: Branch, Value prediction
- Theoretical foundations of instruction-level parallelism and/or fine-grain parallelism
- Hardware/compiler techniques for improving memory system performance
- Hardware/software techniques for fine-grain parallel processing
- Object code translation
- Microarchitectures for high performance graphics accelerators
- Hardware/software techniques for efficient systems on a single chip

THE DEADLINE FOR SUBMISSIONS IS **JUNE 1, 1999**. Complete instructions on how to electronically submit your paper (5000 words maximum) are available on the Micro 32 Web site **(http://arch.cs.ucdavis.edu/micro32)**. Notification of acceptance will occur by August 6, 1999. The camera-ready copy of the accepted papers will be due on September 3, 1999. *In order to minimize problems with your electronic submissions please ensure your PostScript submission can be previewed by ghostview*. Contact **farrens@cs.ucdavis.edu** if you need any help with the electronic submission procedure.

This and other Conference information is available via the World Wide Web at http://arch.cs.ucdavis.edu/Micro32

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