CALL FOR PAPERS

MICRO-27

THE 27th ANNUAL IEEE/ACM
INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE

with special emphasis on
Instruction-Level Parallel Processing

San Jose, California
November 30 - December 2, 1994

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

Important Dates:
SUBMISSION: JUNE 21; Acceptance: AUG. 23; Final version: SEP. 20

For the past 26 years, the annual MICRO conference has provided a key venue for the dissemination of ideas and advances in the field of computer microarchitecture research. MICRO has recently become the premier forum for discussing and debating issues relating to instruction-level parallelism; with multiple-issue processor technology continuing to develop rapidly, this year's conference promises to be an invigorating and rewarding continuation of this conversation. We invite all interested parties to participate in this meeting in San Jose, California, to discuss the many varied aspects of microarchitecture design and instruction-level parallel processing.

The conference seeks original papers concerning all aspects of microarchitecture, including implementation of and compilation for VLIW, superscalar, superpipelined, and multiprocessor systems. The topics of interest include, but are not limited to, the following:

- Instruction-level Parallel Processing: Compiler and Hardware Technologies
- Hardware and Software Issues for VLIW/Superscalar Multiprocessors
- VLIW and Superscalar Compiler Design and Implementation
- Tradeoffs: Compiler, Architecture, and Microarchitecture
- Processor, Memory System, and I/O Microarchitectures
- Cost and Performance Tradeoffs in Real Machines
- Code Scheduling and Optimization Techniques
- Distributed Instruction Level Parallelism
- Compatibility and Portability

This conference has a long history of promoting the free exchange of ideas and of encouraging and supporting evolving research. Therefore, authors are encouraged to submit works that may still be in progress. All papers will be refereed by members of the program committee who are familiar with the topic and by outside referees, and papers will be accepted as either full or short papers.

THE DEADLINE FOR SUBMISSION OF PAPERS IS JUNE 21, 1994. Five copies of the original manuscript should be sent to the **PROGRAM CHAIR.** Papers should be concise, and must not exceed 5000 words. The identification of the primary author, including name, affiliation, address, e-mail address, phone number, and FAX number, should appear on the title page, along with a 100-word abstract and five keywords. Notification of acceptance/rejection will occur by **August 23, 1994.** The camera ready copy of the accepted papers will be due on **September 20, 1994.** **Electronic submission information: see →**

Proposals for special sessions (panel discussions and working group discussions) are welcome, and should be sent to the **GENERAL CHAIR** by **June 21, 1994.**

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