1987 Rochester
Forth Conference

CALL FOR PAPERS

ON

COMPARATIVE COMPUTER ARCHITECTURES

June 9 - 13, 1987

University of Rochester

The Seventh Rochester Forth Conference will be held at the University of Rochester and is sponsored by the Institute for Applied Forth Research, Inc. The focus will be on Comparative Computer Architectures. The goal is to examine the implementation and application of both traditional and unconventional computer architectures, especially as applied to high performance systems required for real-time, image processing and AI applications.

There is a call for papers on topics in the following areas:

Computer Architecture

Parallel and Multi-processors
Geometric Processors
High Level Language Engines
Threaded Processors
Comparisons and benchmarks of
   different architectures

Forth Technology

Forth co-processors
Threaded controllers for peripherals
State machines
Metacompilers

Forth Applications

Laboratory, space-based, medical, AI, real-time
Business, Database, Financial

Papers may be presented in either platform or poster sessions. Please submit a 200 word abstract by April 15th. Papers should be received by May 1st, and are limited to a maximum of four single spaced, camera-ready pages. Longer papers may be presented at the Conference but should be submitted to the refereed Journal of Forth Application and Research.

Abstracts and papers should be sent to the Conference Chairman, Lawrence P. Forsley, Laboratory for Laser Energetics, 250 East River Road, Rochester, New York 14623-1299. For more information please write the Conference Coordinator, Ms. Lynn Hoffee, at the Laboratory for Laser Energetics, or contact the Conference Chairman at (716) 275-5101.