
Call for Papers

5th FORML Conference

November 23-25, 1983
Asilomar Conference Center
Pacific Grove, California, U.S.A.

The FORML conference is a technically advanced gathering of FORTH practitioners who discuss topics which will affect the future evolution of FORTH. FORTH programmers, managers, vendors and users should enjoy meeting others and should benefit from several informative conference sessions. All attendees are considered participants and are encouraged to write a paper and present it in either an oral or poster session.

Topics presented should focus on guiding the evolution of FORTH. Compliance to a standard FORTH is recommended, but not required. The following list suggests topics for presentation:

Hardware FORTH Implementations—FORTH engines, architecture, instruction sets, single chip integration, p.c. board processors, microprogramming, co-processors, hardware stack add-ons, and ROM-chip projects.

Large Address Space Environments—32-bit addressing, segmentation, memory mapping, extended addressing, and bank switching.

Multiprogramming Architectures—Approaches, multiuser, multitasking, interrupt handling, memory management, task control, intertask communication and coordination and UNIX-like pipes.

Nucleus Variations—Virtual machine, threaded code techniques, virtual execution and relocation.

Operating System Environments—Native architectures, device drivers, guests of other operating systems and file systems interfaces.

System Generation Techniques—Defining words, compiler writing systems and metacompilation variations.

Program Development Methodologies—Problem analysis techniques, design criteria, style, coding standards, tools, team programming, documentation, training, and quality control and evaluation.

Applications—Process control, real-time techniques, robotics, scientific calculations, matrix operations, simulation, business applications, file systems, relational data base systems and other languages.

Abstracts for presentations should be no longer than 100 words and must be received by September 20, 1983. To obtain registration information and author's kit, please write to: FORML, P.O. Box 51351, Palo Alto, California 94303, U.S.A., or leave a message at (415) 858-0933.