Call for Papers
Second ACM SIGSOFT/SIGPLAN Symposium on
Practical Software Development Environments

Sponsored by:
ACM-SIGSOFT
ACM-SIGPLAN
Office of Naval Research

Palo Alto, California
December 9-11, 1986

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Scope of Symposium
Practical Software Development Environments assist with the development and maintenance of larger, better, and more reliable software systems. The symposium will address issues fundamental to the development of such practical environments. Suggested relevant issues include:

- Monolingual/Multilingual Environments
- Production Quality Environments
- Database support for Environments
- Knowledge-based Environments
- Workstation Based Environments
- Applications of AI
- Human Factors Studies
- Standardisation of Environments
- Support for the Software Lifecycle
- Empirical Evaluation using Environments
- Environment Integration Strategies
- Distributed/Network Environments
- Role of Graphics
- User Interfaces
- Security concerns in Environments
- Comparative Analysis of Environments

This represents a flavor of the topics of interest; however, one purpose of the symposium is to help define the emerging discipline of software development environments. Accordingly, submissions addressing other topics relevant to the theme of the symposium are encouraged.

Information and Instructions for authors

Please send ten copies of an extended abstract (10 double-spaced typed pages/2,500 words) to the program chairman:
Leon Osterweil, Chair PSDE
Campus Box 430
Department of Computer Science
University of Colorado
Boulder, Colorado 80309

Extended abstracts will be read by the program committee. They should explain what is new and significant about the work presented and adequately address the following issues:

a) With regard to the contribution of the paper, how does it relate to similar work? Authors should list several key ways in which this contribution is unique or important.

b) If the paper describes an operational system, why is this different than other similar systems? What are its advantages and deficiencies?

Submission Deadline: April 18, 1986
Acceptance Notification: July 1, 1986
Camera-ready paper due: September 1, 1986

The program committee wishes to facilitate the publication of the best full length papers in the appropriate refereed journals. Accordingly, authors of selected, top-quality abstracts may either submit full length papers for publication in the proceedings, or for prompt review by the program committee for journal publication.

Authors of accepted papers will be requested to sign an ACM copyright release form.

Proceedings will be distributed at the symposium, as a special joint issue of Software Engineering Notes and SIGPLAN Notices, or may be purchased from ACM.

Demonstrations
Proposals for demonstrations of prototype or production quality environments and tools will be accepted by the program committee. Six copies of a short abstract (3 to 5 pages) describing the environment or tool, what is new and significant about the system, experience with the system, current status and availability of the system, and its hardware/software requirements should be submitted by April 18, 1986 to the program chairman.