The Conference on Software Maintenance—1988 (CSM-88) will gather software managers, developers, maintainers, and researchers to discuss new solutions to the continuing challenge of software maintenance and software maintainability.

Making a Difference: Improving The Product By Improving The Process

CSM-88 will focus on the processes that impact software maintenance. CSM-88 seeks papers which clearly indicate advances in the field of software maintenance; the time frame for achieving those advances; and any evidence suggesting that the advances can in fact be realized. Papers which indicate paths that should not be followed, along with evidence supporting these conclusions, are also solicited.

SPONSORS:

- Computer Society of the IEEE—Technical Committee on Software Engineering*
- The Institute of Electrical and Electronics Engineers, Inc.
- Data Processing Management Association (DPMA)
- National Bureau of Standards (NBS)*

IN COOPERATION WITH:

- ACM/SIGSOFT—Special Interest Group on Software Engineering*
- Association for Women in Computing (AWC)*
- Software Maintenance Association (SMA)*

*Previous sponsors. CSM-88 sponsorship requested.

SUGGESTED TOPICS

Paper and panel session proposals related to, but not limited to, the following topics are invited:

- Software Maintenance Environments
- Empirical Maintenance Studies
- Software Maintenance Metrics
- Maintenance of Ada™ Programs
- Artificial Intelligence in Software Maintenance
- Software Reusability in Maintenance
- Configuration Management
- Developing Maintainable Systems
- Standards in Software Maintenance
- Maintenance of Distributed Systems
- Maintenance of Fourth Generation Programs
- Software Maintenance Education
- Acquisition of Software Maintenance Services
- Software Testing
- Impact of PDLs on Software Maintainability
- Restructuring/Reengineering

* Trademark of the U.S. Department of Defense

SCOPE AND PURPOSE

Software Maintenance is the enhancement, restructuring and correction of software in production use. CSM-88 will provide a forum for discussing software maintenance, distilling current experiences, and highlighting promising approaches, through presentations of refereed papers, panel sessions, tutorials, informal meetings, and tool demonstrations. CSM-88 will acquaint managers and practitioners with current advances and researchers with current needs. The conference is open to all who are involved with or have an interest in software maintenance: professionals and researchers, from industry, Government, and academia.

IMPORTANT DATES:

Submission Deadline: February 1, 1988
Acceptance Notification: April 11, 1988
Final Version: May 30, 1988

SUBMISSION INFORMATION

Papers: (5 copies double spaced) Papers should be 1000-5000 words in length. Papers must not have been published or submitted elsewhere for publication. The cover letter must include title and maximum 250 word abstract only. The first page must include title, all authors' names, complete mailing addresses, and telephone numbers. If the paper is accepted, one of the authors is expected to present the paper at CSM-88.

Panel Session Proposals: (5 copies) Panel session proposals must include: name of panel session organizer, mailing address, and telephone number; panel topics, significance for CSM-88, and a list of 4-5 panelists. Panelists must have agreed to participate prior to the submission of the panel session proposal.

Submit papers and panel session proposals to WILMA M. OSBORNE AT HER ADDRESS BELOW.

Vendor Proposals: Send for information from Robert Arnold at his address below.

Tutorial Lecturers: Send for information from Wilma Osborne at her address below.

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