CALL FOR PAPERS

A Conference on Software Development Tools, Techniques, and Alternatives

July 25-28, 1983
Hyatt Regency Crystal City
(Washington, DC Area)
Arlington, VA

will provide a unique opportunity for managers and technical staff to understand and examine modern tools and techniques for developing and engineering software. In addition, attendees will have an opportunity to see more recently developed tools, such as application and program generators, that provide users with an alternative to the full development process for certain applications. SoftFair will bring together researchers and developers to present, discuss, explain, and demonstrate their tools and techniques. Attendees will come away from the conference with a better understanding of the state-of-the-art of software engineering tools and the various tool-supported methodologies for developing software.

will consist of in-depth pre-conference tutorials on software management techniques and development methodologies, short minitutorials on software engineering techniques and methods, tool papers on the capabilities and use of specific software tools, technical papers on new ideas and experiences, panel sessions, and tool demonstrations. Subjects will include, but not be limited to, the following areas:

- Programming Environments and Workstations
- Mini and Micro Based Systems
- Program and Application Generation
- Program Construction and Analysis
- Development Database Support
- Project Management and Cost Estimation
- Reliability, Productivity, and Metrics
- Documentation
- Requirements and Design
- Validation, Verification, and Testing of Software
- Rapid Prototyping
- Configuration Management and Maintenance of Software
- Interactive Graphics for Software Development/Documentation

Papers are being solicited for the proceedings of SoftFair. Authors may submit a mini-tutorial, a tool paper, or a technical paper. If a tutorial paper is submitted and accepted, the author(s) or designee(s) is expected to demonstrate the tool. Station charges in the demonstration area may be waived for authors with accepted tool papers. See INFORMATION FOR AUTHORS for more details.

Proposals for panel sessions and pre-conference tutorials should be submitted to the program chairman. Each proposal should include the description of the topic, outline and structure of the session, potential participants and short biographies.

TOOL DEMONSTRATIONS

Developers and vendors of software tools are invited to apply for a station in the demonstration area regardless of paper submission. For details, contact Gerald H. Leach-Lewis, Exhibits Manager, IEEE Computer Society, P.O. Box 639, Silver Spring, Md. 20901, 301-589-8142

INFORMATION FOR AUTHORS

Authors should submit five complete copies of their papers to the program chairman, no later than February 15, 1983. Each copy of the paper should include the following: (1) cover page with author(s), affiliation(s), complete address(es), and phone number(s); (2) title and abstract page with a maximum 150 word abstract and six keywords; (3) complete text of the paper in Eng-
lish, including examples and references; (4) a signed statement of commitment that indicates the author that will present the paper if it is accepted. Penalty charges will be levied for papers that exceed six proceeding pages (approximately 5000 words) or minitutorials that exceed eight pages.

Mini-tutorials should review specific software development techniques or methods. In particular, they should emphasize how tools fit into the overall development process.

Tool papers will be refereed and evaluated with respect to their technical content, state-of-the-art relevance, and originality. Tool papers should discuss the capabilities and uses of specific software tools and should include sample output. Stations in the demonstration area will be automatically reserved for authors with accepted tool papers. Authors should state whether or not the tool is a marketed product. A small station charge will be levied for marketed tools.

PROGRAM CHAIR
Papers should be submitted (by February 15, 1983) to: Ray Houghton
C/O IEEE Computer Society
P.O. Box 639
Silver Spring, Md. 20901
301-921-3485

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GENERAL CHAIR
For further information contact:
Leon Stucki
P.O. Box 639
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TO

Please send me an Advance Program □
Please send me information on demonstrating at the Tool Fair □

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AFFILIATION ____________________________
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