CALL FOR PAPERS

A Second Conference on Software Development Tools, Techniques, and Alternatives

DECEMBER 2-4, 1985
CATHEDRAL HILL HOTEL
SAN FRANCISCO, CALIFORNIA

SoftFair II will again provide a unique opportunity for managers and technical staff to understand and examine modern tools and techniques for developing and engineering software. 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 II 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.

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

Co-Sponsored by:

IEEE Computer Society
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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 IEEE Computer Society, P.O. Box 639, Silver Spring, MD 20901, 301-589-8142.

Subjects will include, but not be limited to, the following areas:

- Documentation
- Requirements and Design
- Validation, Verification, and Testing
- Rapid Prototyping
- Configuration Management and Maintenance of Software
- Interactive Graphics for Software Development/Documentation

PAPER SUBMISSION
Papers should be submitted (by June 15, 1985) to:

SOFTFAIR II
IEEE COMPUTER SOCIETY
P.O. BOX 639
SILVER SPRING, MD 20901
301-589-8142

For further information contact:
Marvin Zelkowitz
Department of Computer Science
University of Maryland
College Park, MD 20742

Please send me an Advance Program
Please send me information on demonstrating at the Tool Fair
NAME
AFFILIATION
ADDRESS

InformatioN FOR AUTHORS

Authors should submit five complete copies of their papers, no later than June 15, 1985. 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 English, including examples and references; (4) a signed statement of commitment that indicates the author that will present the paper if it is accepted.

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.

Papers are being solicited for the proceedings of SoftFair. Authors may submit a mini-tutorial, a tool paper, or a technical paper. If a tool paper is submitted and accepted, the author(s) or designer(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.
CALL FOR PAPERS

THE SECOND CONFERENCE ON
ARTIFICIAL INTELLIGENCE APPLICATIONS
The Engineering of Knowledge-Based Systems
Sponsored by the IEEE Computer Society

Fontainebleau Hilton
441 Collins Avenue
Miami Beach, Florida 33140
December 11-13, 1985

To explore the technology, implementation, and impact of emerging application areas and indicate future trends in available systems and required research. Subject areas include:

Knowledge Acquisition and Representation
Planning and Problem Solving
Reasoning with Uncertainty
Validation
Human-Computer Interface

The program will consist of submitted and invited papers. Invited papers will provide an overview of research in selected areas. All papers will be reviewed by two members of the program review committee. Contributed papers may be selected for presentation and publication, or publication, only based on peer review of complete paper consistent with the following outline:

1. Introduction – State clearly the purpose of the work.
2. Description of the actual work – Must be NEW and SIGNIFICANT.
3. Results – Discuss their significance.
4. References – Indicate appropriate relevant work.

Research proposals and minor changes to old ideas are discouraged. Four copies of the complete paper are to be submitted to:

Program Chair
Artificial Intelligence Conference
P.O. Box 639
Silver Spring, MD 20901

Accepted papers will be published in the proceedings of the conference, and will be allocated six pages on the large manuscript format.

The conference timetable is as follows:

Four Copies of Manuscript
June 1, 1985

Acceptance Letters
July 15, 1985

Camera-Ready Papers
September 1, 1985

Conference
December 11-13, 1985

For further information on the Second International Conference on Artificial Intelligence Applications return this coupon:

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