CALL FOR PAPERS

May 10-12, 1978
in Atlanta, Georgia, U.S.A.,
Hyatt Regency

3RD INTERNATIONAL CONFERENCE ON
SOFTWARE ENGINEERING

SPONSORED BY

IEEE COMPUTER SOCIETY
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Engineering is "... the art or science of making practical application of knowledge of pure science...."

In that spirit, software engineering is the collection of methods, procedures, tools, and techniques which contribute to the quality of programming and programs.

The Third International Conference on Software Engineering will bring together researchers and practitioners to discuss the state of software engineering and ideas for further progress. We are particularly anxious to receive papers which provide details of experience using software engineering techniques including data which serves to evaluate these techniques.

The following topics are intended to serve as a (non-exhaustive) list of subjects which are likely to serve as focal points of the conference:

SYSTEMS DEVELOPMENT METHODOLOGY
- Requirements Definition
- Formal and Informal Specifications
- Design Representations
- Testing and Verification
- Complete methodologies
- Automated Aids

PROGRAMMING
- Languages
- Reusable software
- Standards
- Portability and adaptability
- Maintenance and enhancement

MANAGEMENT OF SOFTWARE DEVELOPMENT
- Planning Aids
- Productivity
- Staffing
- Organizational Issues

CASE STUDIES, including
- Microprocessor-based systems
- Data base management systems
- Systems software — compilers, etc.
- Networks and distributed systems
- Real-time processing
- System Families

SOFTWARE QUALITY
- Reliability
- Fault tolerance
- Performance measurement and estimation
- Security/integrity
- Complexity

EDUCATION
- Curricula
- Professional Development

All abstracts and papers should be sent to the Program Chairman.

General Chairman:
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Abstracts are requested by 1 October 1977. Four copies of the complete paper are due by November 15th. Papers should be 2000–6000 words in length (counting figures as 300 words). Notification of acceptances will be mailed by January 15th. The final draft, typed on camera-ready forms and incorporating suggested revisions, will be due by March 15, 1978. Papers of the highest quality will be considered for publication in IEEE Transactions on Software Engineering.