CALL FOR PAPERS

The Fifteenth International Symposium on Fault-Tolerant Computing

June 19-21, 1985
The University of Michigan
Ann Arbor, Michigan, USA

Sponsored by: IEEE Computer Society's Technical Committee on Fault-Tolerant Computing
In cooperation with: Department of Electrical Engineering and Computer Science, The University of Michigan.

Papers and panel session proposals relating to the following areas are invited:

1. Specification and Design of Fault-Tolerant Systems
   - Computer architectures
   - Distributed systems
   - Computer networks
   - Operating systems
   - Data base systems
   - Methodologies and tools

2. Reliable Software
   - Fault-tolerant software
   - Fault-tolerant data structures
   - Interprocess communication and synchronization
   - Exception handling
   - Testing and verification of programs and protocols

3. Reliable Hardware
   - Fault masking
   - Fault detection, diagnosis, reconfiguration
   - Fault prevention
   - VLSI and WSI design issues

4. Evaluation of Reliability and Performance
   - Analytic modeling
   - Simulation
   - Measurement
   - Evaluation methodologies and tools

5. Testing and Diagnosis
   - Test generation
   - Design for testability
   - Self testing
   - Automated diagnosis

6. Applications of Fault-Tolerant Computing
   - Voice and data communication networks
   - Transaction processing systems
   - Supercomputers
   - Real-time systems
   - Factory automation and robotics
   - Industrial process control systems
   - Office automation
   - Personal computing systems

INFORMATION FOR AUTHORS:
Submit 5 copies of the paper (double-spaced). Papers should range in length between 1000 and 5000 words. The first page of each paper must include the following information: title and subject index (try to identify with one of the six areas and its subarea); a maximum 150-word abstract of the paper; the authors’ names, affiliations, complete mailing addresses, and telephone numbers. If there are multiple authors, please indicate who will present the paper at FTCS-15 if the paper is accepted. The first page should also indicate whether the paper has been cleared through the authors’ affiliations. A paper lacking any of the above information will not be considered by the Program Committee for inclusion in the Conference program.

Note: For a Panel Proposal a 1000-word summary of the proposed subject and the proposed membership of the panel is needed.

DEADLINES:
- December 1, 1984 Date for receiving all papers and panel proposals.
- March 10, 1985 Authors notified of disposition of their paper.
- April 6, 1985 Camera-ready copies of accepted papers due.
- May 15, 1985 Paper copy of folios or slides for final presentation are due either to Program Committee Chairman or Session Chairperson.

SUBMIT PAPERS TO
PROGRAM COMMITTEE CHAIRMAN:
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