Call for Papers

IEEE Computer Society’s
Third Symposium on Reliability in Distributed Software and Database Systems

Sponsor—IEEE Computer Society in cooperation with ACM and the University of South Florida
Caribbean Gulf Hotel
Clearwater Beach, Florida
October 18-19, 1983

The theme of this symposium is reliability in distributed systems, including distributed applications, distributed operating systems and distributed databases.

Papers that address increased availability in error-prone environments are especially sought.

Papers covering performance studies of reliability techniques and experiences with error-prone environments are of special interest.

Two half-day tutorials, one each on distributed software systems and on distributed database systems, are also planned.

TOPICS OF INTEREST

- Reliable Distributed Software Systems
  - communication primitives for reliable distributed computing
  - techniques for non-stop operations
  - decentralized control
  - software fault tolerance including error confinement graceful degradation and system reconfiguration, recovery and restart
  - distributed operating systems
  - distributed application programs
  - performance studies of reliability techniques

- Reliable Database Systems
  - integrity and consistency
  - robust concurrency control
  - fault-tolerant distributed databases
  - experiences with testbeds and real-world distributed databases
  - performance studies of reliability techniques

WHERE TO SUBMIT PAPERS

The program will consist of submitted and invited papers. Areas not adequately covered by papers will be the basis for group/panel discussions. Long papers (not more than 6,000 words), short papers (not more than 3,000 words), and suggestions for group discussion are invited. All papers will be reviewed. Please submit five copies of all contributions to the most appropriate program chairperson.

Reliable Distributed Software Systems
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Reliable Distributed Databases
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IMPORTANT DATES

| Submission Deadline: | April 1, 1983 |
| Acceptance Notification: | June 15, 1983 |
| Final Version Due: | August 1, 1983 |
| Tutorial Due: | October 17, 1983 |
| Symposium: | October 18-19, 1983 |

PUBLICATION

The papers selected for the symposium will be published by the IEEE Computer Society in a Symposium proceedings which will be distributed to all registrants of the symposium.

Selected papers of exceptional interest and merit will be considered for publication in IEEE Transactions on Software Engineering.

Program Committee

Robert Gordon, Prime Computer, Inc. (Co-Chairman)
David Cohen, Bell Laboratories (Co-Chairman)

Bharat Bhargava, University of Pittsburgh
Toby Bloom, M.I.T. Cambridge
Ed Collum, Honeywell, Inc.
Sheeldon Finkelstein, IBM, San Jose
Charles Graff, U.S. Army CECOM
Nancy Griffeth, Georgia Tech
Herb Hecht, Sonar, Inc., Los Angeles
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