ADVANCE PROGRAM

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

Monday, October 17, 1983
8:30am - 12:00pm TUTORIAL ONE
Reliable Distributed Software Systems, John A. Stankovic, Univ. of Massachusetts
1:30pm - 5:00pm TUTORIAL TWO
Reliable Database Systems, Susil Jajodia, Univ. of Missouri
8:00pm - 10:00pm Early Registration and Reception

Tuesday, October 18, 1983
8:00am - 9:00am Registration
9:00am - 9:30am Introduction and Opening Remarks - M. T. Liu, Ohio State Univ.
9:30am - 10:30am KEYNOTE SPEAKER: Professor Brian Randell, University of Newcastle upon Tyne, Recursively Structured Distributed Computing Systems
10:30am - 11:00am Coffee break
11:00am - 12:30pm RECOVERY ISSUES IN DISTRIBUTED SYSTEMS
Chairperson Bharat Bhargava, Univ. of Pittsburgh
Modeling Fault-Tolerant Software Reliability, Keith Scott, James Gault, and David Mcalister, IBM Corp.
12:00pm - 2:00pm Lunch
2:00pm - 3:00pm DESIGN ISSUES IN DISTRIBUTED DATABASE SYSTEMS
Chairperson: Dale Sweeney, Cornell Univ.
A Suite of Robust Algorithms for Maintaining Replicated Data Using Weak Consistency Conditions, James E. Atlchin, Georgia Inst. of Technology
Performance Evaluation of Two-Phase Locking Algorithms in a System for Distributed Databases, C. Thanos, C. Carlesi, and E. Bertino, IBM Research Labs.
3:00pm - 3:30pm Coffee and soft drinks break
3:30pm - 5:00pm PANEL: REQUIREMENTS AND ISSUES IN THE IMPLEMENTATION OF RELIABLE DISTRIBUTED SYSTEMS
Chairperson: Herb Hecht, Soflar Inc.
Recent Advances in Distributed Processing and Reliable Computing, S.K. Shrivastava, University of Newcastle upon Tyne
Reliable Storage Update, Ching-Chao Liu and Toshimi Minoura, Oregon State Univ.
An Experimental Distributed Processing Facility - A Vehicle for Survivability, Gerald Smith and Wayne Shojiinga, U.S. Army CECOM

ADVANCE REGISTRATION FORM
MAIL TO: Ming T. Liu, Dept. of Computer and Information Science, Ohio State University, 2036 Neil Avenue, Columbus, Ohio 43210, (614) 425-1837
Deadline for Advance Registration: October 1, 1983

Name ____________________________________________
Affiliation _______________________________________
Address _________________________________________
City _______ State _______ Zip ____________
Fees
Tutorial One □ $50  Tutorial Two □ $50  Tutorial One & Two □ $90

Symposium Advance Registration Late Registration
Member ACM or IEEE □ $100 □ $125  Non-Member □ $75 □ $155
Student □ $25 □ $25

Make Checks Payable to: Third Reliability in DSDS Symposium ACM/IEEE Membership Number: __________________________
Amount Enclosed $ __________

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Wednesday, October 19, 1983
8:00am - 9:00am Registration
9:00am - 10:00am DESIGN AND ANALYSIS OF DISTRIBUTED OPERATING SYSTEMS
Chairperson: Charlie J. Grass, U.S. Army CECOM
An Object Oriented Design Model for Reliable Distributed Systems, Anand Ramamirtham, David Spiderle and Stephen Winter, Univ. of Massachusetts
Primitives for Accessing Protected Objects, Krithivasan Ramanathan, IBM Corp.
Issues in Process and Communication Structure for Distributed Programs, Barbara Liskov and Maurice Herlihy, MIT Laboratory of Computer Science
10:00am - 10:30am Coffee break
10:30am - 12:30pm Invited Speakers
12:30pm - 2:00pm Lunch
2:00pm - 3:00pm PANEL: INTERDEPENDENCE BETWEEN DISTRIBUTED OPERATING SYSTEMS AND DATABASE SYSTEMS
Chairperson: Dan Ries, Computer Corp. of America
Fault Tolerant Algorithms in Distributed Systems, Nancy Griffith, Georgia Tech. Reaching Approximate Agreement in the Presence of Fault, Danny Dolev, Nancy Lynch, Shlomit Pinter and Eugene Stark, Hebrew Univ. and MIT Laboratory of Computer Science
On the Treatment of Orphans in a Distributed System, S.K. Shrivastava, Indian Institute of Science
3:00pm - 3:30pm Coffee break
3:30pm - 4:00pm Implementation of Reliable Distributed Systems
Chairperson: Ed Foudriot, NASA Langley Research Center
The Roe File System, Caria Schlatter Ellis and Richard A. Floyd, Univ. of Syracuse
On Concurrency and Reliability of a Real-Time DBMS for SESS Switching System, Fred R. Ng, Bell Labs.

HOTEL REGISTRATION FORM
MAIL TO: Adam's Mark Caribbean Gulf Resort
Clearwater Beach, Florida 33515
(813) 443-5714; (800) 231-5685; Telex No. 803875
Rate: $52/night (single or double occupancy)
A block of rooms has been reserved for the participants. Reservations should be made directly with the hotel before September 25, 1983

Name ____________________________________________
Company _________________________________________
Address _________________________________________
City _______ State _______ Zip ____________
Departure Date _______ Time ______ AM ______ PM
Arrival Date _______ Time ______ AM ______ PM

ONE NIGHT DEPOSIT REQUIRED IF ARRIVAL TIME IS AFTER 4 PM.
Amount Enclosed $ __________

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