Workshop on Fault-Tolerant Parallel and Distributed Systems (FTPDS ’00)

Workshop Chair

Dimiter R. Avresky, Network Computing Lab, Boston University, USA

Invited speakers

Jean-Claude Laprie
I. Levendel

Papers

Computing in the RAIN: A Reliable Array of Independent Nodes
V. Bohossian, C. Fan, P. LeMahieu, M. Riedel, L. Xu, and J. Bruck

Fault-Tolerant Wide-Area Parallel Computing
J. Weissman

Transient Analysis of Dependability/Performability Models by Regenerative Randomization with Laplace Transform Inversion
J. Carrasco

FANTOMAS: Fault Tolerance for Mobile Agents in Clusters
H. Pals, S. Petri, and C. Grewe

P. Irey, B. Chappell, R. Hott, D. Marlow, K. O’Donoghue, and T. Plunkett

Consensus Based on Strong Failure Detectors: Time and Message-Efficient Protocols
F. Greve, M. Hurfin, R. Macêdo, and M. Raynal

Implementation of Finite Lattices in VLSI for Fault-State Encoding in High-Speed Networks
A. Döring and G. Lustig
Building a Reliable Message Delivery System Using the COBRA Event Service
S. Ramani, B. Dasarathy, and K. Trivedi

Network Survivability Simulation of a Commercially Deployed Dynamic Routing System Protocol
A. Chowdhury, O. Frieder, P. Luse, and P. Wan

Fault-Tolerant Distributed Shared Memory on a Broadcast-Based Interconnection Network
D. Hecht and C. Katsinis

An Efficient Backup-Overloading for Fault-Tolerant Scheduling of Real-Time Tasks
R. Al-Omari, G. Manimaran, and A. Somani

Mobile Agents to Automate Fault Management in Wireless and Mobile Networks
N. Pissinou, Bhagavavati, and K. Makki