EuroSim'04

Modelling and Simulation of Distributed Systems and Networks

6-10 September 2004
ESIEE, Cite Descartes, Marne la Vallee, France

Organizers:

- Helen Karatza

  Aristotle University of Thessaloniki, Greece

- Georgios Theodoropoulos

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Important Dates

- February 13th, 2004: submission of extended abstracts
- April 9th, 2004:acceptance of extended abstracts
- May 10th, 2004: submission of full papers
- May 28th, 2004: final acceptance of papers
- June 6th, 2004: authors' and early registration

A **Special Session** is organised in the 5th EUROSIM Congress on Modelling and Simulation which will take place in Paris, France, in 6-10 September 2004. The theme of the Special Session is Modelling and Simulation of Distributed Systems and Networks.

Distributed computing is valuable for problem solving in many scientific domains and has gained a large amount of attention. Performance studies have explored a wealth of alternatives with respect to distributed systems aimed at improving system performance by improving the performance of its individual components. Furthermore research efforts have focused on improving networks in order to deliver high-speed, reliable message passing and high performance response as well as solve multi-commodity flow problems with distributed routing techniques. The most straightforward way to evaluate the performance without a full-scale implementation is through a modeling and simulation approach. Detailed simulation models help determine performance bottlenecks inherent in the architecture and provide the basis for refining the system configuration.

Authors of papers, which explore modeling and simulation studies focused on problems in this area, are invited to participate in the Special Session. Topics of interest include, but are not limited to:

- Load-Balancing and Load-Sharing
- Distributed Real-Time Systems
- Fault-Tolerant Distributed Systems
- Performance Modelling and Evaluation
- Scheduling in Distributed Systems
- Coscheduling of Applications on Multiple Processors
- Scheduling in Distributed Shared-Memory Systems
- Scheduling of Parallel Applications within Distributed Systems (e.g. Clusters)
- Scheduling Methods for Networks of Workstations
- Scheduling of Heterogeneous Processors
- Novel Distributed Applications
- Performance Modelling and Distributed Simulation
- Improvement in System Performance through Optimization and Tuning
- Distributed and Collaborative Agent-Based Processing
- Ubiquitous/Pervasive Computing
- Performance of Communication Networks for Distributed Systems
- Autonomous/Peer-to-Peer Systems
- Grid/Cluster Computing in Distributed Systems
- Computer Supported Cooperative Work
- Mobile and Wireless Ad-Hoc Networks
- Routing in Interconnected Networks
- Modelling and Performance Evaluation of Large-Scale, Scalable Network Algorithms
- Data Dissemination Schemes in Distributed Networks
- Network Workload and Traffic Characterization

www.cs.bham.ac.uk/~gkt/msdsn04

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