Message from the Program Chairs  
Workshop Chairs and Program Committee  
Reviewers  

Adjustable Flow Control Filters and Reflective Memories as Support for Distributed  
Real-Time Systems  
p. 2  

A Convergence Function for Clock Synchronization Protocols  
p. 9  

The Advanced Distributed Ramp Metering System (ARMS)  
p. 17  

TaskPair-Scheduling: An Approach for Dynamic Real-Time Systems  
p. 24  

Use of Concurrency Enhancement in Off-Line Schedule Construction  
p. 32  

Performance Analysis of a Neural Network Based Scheduling Algorithm  
p. 38  

Task and Resource Assignment in Distributed Real-Time Systems  
p. 43  

Real-Time Optimization of Distributed Load Balancing  
p. 52  

Empirical Evaluation of Weighted and Prioritized Static Scheduling Heuristics for  
Real-Time Multiprocessing  
p. 58  

A Database Server for Distributed Real-Time Systems: Issues and Experiences  
p. 66  

Scheduling Transactions in Real-Time Distributed Databases  
p. 76  

Simulation of Distributed Real-Time Transactions  
p. 82  

Real-Time Issues in Distributed Multimedia Systems  
p. 88  

Modification and Adjustment of Real-Time Tasks with Rate Monotonic Scheduling  
Algorithm  
p. 98  

The Integration of Control and Dataflow Structures in Distributed Hard Real-Time  
Systems  
p. 104  

Modeling Priority Schemes with Timed Petri Nets  
p. 110  

Compound Service Scheduling with Run-Time Adaptation in Real-Time Multiprocessor  
Distributed Systems  
p. 119  

Throwforward Task Scheduling Strategy in Real-Time Systems  
p. 125  

Synchronous/Anytime Programming for Distributed Reactive Systems  
p. 131  

Supporting Distributed Real-Time Objects  
p. 138  

An Object-Oriented Methodology for the Design of Control Software for Flexible  
Manufacturing Systems  
p. 144  

Issues in Integrating Reusable Ada 9X Objects into Distributed Real-Time Systems  
p. 150  

Representing System Behavior in Design and Analysis of Large Complex Real-Time  
Systems  
p. 154  

Partitioning Complex Real-Time Systems for Distribution  
p. 160  

Implementation of a Priority Forwarding Router Chip for Real-Time Interconnection  
Networks  
p. 166  

A Special-Purpose Parallel System for Predictable Real-Time Systems  
p. 176  

ALLNODE-RT: A Real-Time, Fault Tolerant Network  
p. 182  

Hardware Support for Controlled Interaction of Guaranteed and Best-Effort  
Communication  
p. 188  

Using Rate Monotonic Scheduling Technology for Real-Time Communications in a  
Wormhole Network  
p. 194  

Specifying and Verifying Fault Tolerant Real-Time Distributed Systems  
Compositionaly  
p. 200  

Using Modular Petri Nets for Developing Telecommunication Software  
p. 206
Author Index

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.