Message from the Program Chair
Organizing and Program Committees
Reviewers
Multimedia Systems
QoS Control Strategies for High-Quality Video Processing
Low-Latency Hard Real-Time Communication over Switched Ethernet
Quality Aware MPEG-2 Stream Adaptation in Resource Constrained Systems
Distributed Real-Time Systems and Quality of Service
Collaborative Resource Allocation in Wireless Sensor Networks
Comparing Real-Time Communication Under Electromagnetic Interference
Managing Quality-of-Control Performance Under Overload Conditions
Improved Prediction for Web Server Delay Control
Operating-System Support for Real-Time Systems
Stabilizing Execution Time of User Processes by Bottom Half Scheduler in Linux
TLSF: A New Dynamic Memory Allocator for Real-Time Systems
Work in Progress 1

Short presentations introducing emerging and ongoing work on novel research topics

Multiprocessor Scheduling and Planning
Schedulability-Driven Partitioning and Mapping for Multi-Cluster Real-Time Systems
Multiprocessor Energy-Efficient Scheduling with Task Migration Considerations
Executing Aperiodic Jobs in a Multiprocessor Constant-Bandwidth Server Implementation

Scheduling and Design
Integrating Model-Based Design and Preemptive Scheduling in Mixed Time- and Event-Triggered Systems
Generalized Pre-Scheduler
A Variable Rate Execution Model
Reducing the Number of Preemptions in Fixed Priority Scheduling

Keynote Session
Energy-Aware Real-Time Computing
Optimized Slowdown in Real-Time Task Systems
On Energy-Constrained Real-Time Scheduling
Energy-Efficient Policies for Request-Driven Soft Real-Time Systems

Schedulability Analysis
An Event Stream Driven Approximation for the Analysis of Real-Time Systems
Biasing Effects in Schedulability Measures
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Timing and Execution-Time Analysis
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