Hierarchically Distributing Embedded Systems for Improved Autonomy
Sorting Units for FPGA-Based Embedded Systems
Error-Exploiting Video Encoder to Extend Energy/QoS Tradeoffs for Mobile Embedded Systems
Specifying Verification of Embedded Systems by Automated Test Case Generation
Analysis of Periodic Clock Relations in Polychronous Systems
Formal Correctness of an Automotive Bus Controller Implementation at Gate-Level
Unifying HW Analysis and SoC Design Flows by Bridging Two Key Standards: UML and IP-XACT
Expressing Environment Assumptions and Real-time Requirements for a Distributed Embedded System with Shared Variables
On the Use of Software Quality Metrics to Improve Physical Properties of Embedded Systems
Minimizing Leakage Energy with Modulo Scheduling for VLIW DSP Processors
Using Imprecise Computation Techniques for Power Management in Real-Time Embedded Systems
A Power Model for Register-Sharing Structures
Design and Implementation of a FTT-CAN Communication Infra-Structure for the RT-femtoJava Processor
Communication Paradigms for High-Integrity Distributed Systems with Hard Real-Time Requirements
TinyOS Extensions for a Wireless Sensor Network Node Based on a Dynamically Reconfigurable Processor
Scheduling Dependent Distributable Real-Time Threads in Dynamic Networked Embedded Systems
An Efficient Time Annotation Technique in Abstract RTOS Simulations for Multiprocessor Task Migration
Task and Data Partitioning
Handling QoS Dependencies in Distributed Cooperative Real-Time Systems
Topology-Aware Energy Efficient Task Assignment for Collaborative In-Network Processing in Distributed Sensor Systems
Data Partitioning Techniques for Partially Protected Caches to Reduce Soft Error Induced Failures