

Distributed embedded systems : design, middleware and resources : IFIP 20th World Computer Congress, TC10 Working Conference on Distributed and Parallel Embedded Systems (DIPES 2008), September 7-10, 2008, Milano, Italy /

Kleinjohann, Bernd Kleinjohann, Lisa Wolf, Marilyn (1958-)

Springer, ©2008

Electronic books Monografía

International Federation for Information Processing The IFIP series publishes state-of-the-art results in the sciences and technologies of information and communication. The scope of the series includes: foundations of computer science; software theory and practice; education; computer applications in technology; communication systems; systems modeling and optimization; information systems; computers and society; computer systems technology; security and protection in information processing systems; artificial intelligence; and human-computer interaction. Proceedings and post-proceedings of refereed international conferences in computer science and interdisciplinary fields are featured. These results often precede journal publication and represent the most current research. The principal aim of the IFIP series is to encourage education and the dissemination and exchange of information about all aspects of computing. For more information about the 300 other books in the IFIP series, please visit www.springer.com. For more information about IFIP, please visit www.ifip.org

https://rebiunoda.pro.baratznet.cloud: 28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjE1OTg2MzEinformation and the state of the state o

Título: Distributed embedded systems design, middleware and resources : IFIP 20th World Computer Congress, TC10 Working Conference on Distributed and Parallel Embedded Systems (DIPES 2008), September 7-10, 2008, Milano, Italy edited by Bernd Kleinjohann, Lisa Kleinjohann, Wayne Wolf

Editorial: [New York] Springer ©2008

Descripción física: 1 online resource (ix, 225 pages) illustrations

Mención de serie: International Federation for Information Processing (Series)

Bibliografía: Includes bibliographical references

Contenido: Hierarchically Distributing Embedded Systems for Improved Autonomy -- Sorting Units for FPGA-Based Embedded Systems -- Error-Exploiting Video Encoder to Extend Energy/OoS Tradeoffs for Mobile Embedded Systems -- Specification-based 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 -- The Components Data Flow Machine: An Intermediate Modeling Format to Support the Design of Automobiles E/E Systems Architectures -- 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 -- 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

Lengua: English

Copyright/Depósito Legal: 785779779 1005776463 1035655002 1044251169 1050960636 1056330030 1058121395 1060692130 1060855128 1061024311 1074311860

ISBN: 9780387096612 0387096612 0387096604 9780387096605 9780387096605

Materia: Embedded computer systems- Design and construction Informatique Embedded computer systems-Design and construction

Autores: Kleinjohann, Bernd Kleinjohann, Lisa Wolf, Marilyn (1958-)

Congresos: IFIP World Computer Congress 20th :. 2008 :. Milano, Italy)

Enlace a formato físico adicional: Print version Distributed embedded systems. [New York] : Springer, ©2008 9780387096605 0387096604 (DLC) 2008928940 (OCoLC)233932910

Punto acceso adicional serie-Título: International Federation for Information Processing (Series)

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es