

<<2005嵌入与普适计算 EUC 2005/>>

图书基本信息

书名：<<2005嵌入与普适计算 EUC 2005/会议录Embedded and Ubiquitous Computing - EUC>>

13位ISBN编号：9783540308072

10位ISBN编号：3540308075

出版时间：2006-1

出版时间：Oversea Publishing House

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页数：1200

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内容概要

This book constitutes the refereed proceedings of the International Conference on Embedded and Ubiquitous Computing, EUC 2005, held in Nagasaki, Japan in December 2005. The 114 revised full papers presented were carefully reviewed and selected from 376 submissions. The papers are organized in topical sections on embedded hardware and software, real-time systems, power-aware computing, hardware/software co-design and systems-on-chip, testing and verification, reconfigurable computing, agent and distributed computing, wireless communications, mobile computing, multimedia, HCI and pervasive computing, network protocol, security and fault-tolerance, as well as middleware and P2P computing.

书籍目录

Keynote Nanotechnology in the Service of Embedded and Ubiquitous Computing Parallel Embedded Systems: Optimizations and Challenges Progress of Ubiquitous Information Services and Keeping Their Security by Biometrics Authentication Embedded Hardware Implementing and Evaluating Color-Aware Instruction Set for Low-Memory, Embedded Video Processing in Data Parallel Architectures A DSP-Enhanced 32-Bit Embedded Microprocessor An Intelligent Sensor for Fingerprint Recognition Exploiting Register-Usage for Saving Register-File Energy in Embedded Processors Hardware Concurrent Garbage Collection for Short-Lived Objects in Mobile Java Devices An Effective Instruction Cache Prefetch Policy by Exploiting Cache History Information Efficient Switches for Network-on-Chip Based Embedded Systems An Efficient Dynamic Switching Mechanism (DSM) for Hybrid Processor Architecture Design of Face Recognition Door Manager System Based on DSP Embedded Software Alchemist J: A Framework for Self-adaptive Software Design and Implementation of Accounting System for Information Appliances Loop Distribution and Fusion with Timing and Code Size Optimization for Embedded DSPs Ensuring Real-Time Performance Guarantees in Dynamically Reconfigurable Embedded Systems ANTS: An Evolvable Network of Tiny Sensors Design Models for Reusable and Reconfigurable State Machines Optimizing Nested Loops with Iterational and Instructional Retiming Real-Time Systems Realtime H.264 Encoding System Using Fast Motion Estimation and Mode DecisionPower-A ware Computing H/S Co-design and Systems-on-Chip Testing and Verification Reconfigurable Computing Agent and Distributed Computing Wireless Communications Mobile Computing Multimedia, HCI and Pervasive Computing Network Protocol, Security and Fault-Tolerance Middleware and P2P Computing Author Index

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