

《Ubiquitous Computing》

图书基本信息

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内容概要

This book constitutes the thoroughly refereed postproceedings of the Second International Symposium on Ubiquitous Computing Systems, UCS 2004, held in Tokyo, Japan in November 2004. The 20 revised full papers including 2 invited papers presented were carefully reviewed and selected from 50 submissions for inclusion in the book. The emerging research area of ubiquitous computing systems is an outcome of the rapid evolution in smart appliances and devices, as well as tremendous advances in wireless networks and mobile computing. The topical sections covered are location-aware computing, real-world interaction, systems, context awareness, and sensors and tags.

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书籍目录

Invited Talks The Pervasive Sensor From Everyday Things to Everyday Memories: Two Kinds of Interactions with Objects in a House Location-aware Computing Design, Implementation and Evaluations of a Direction Based Service System for Both Indoor and Outdoor Designing Transparent Location-Dependent Web-Based Applications on Mobile Environments Position Tracking Using Infra-Red Signals for Museum Guiding System Atsushi Hiyama, Jun Yamashita, Hideaki Kuzuoka, Koichi Hirota, Michitaka Hirose Real-World Interaction Real-World Interaction with Camera Phones Augmented Classroom: A Paper-Centric Approach for Collaborative Learning System EnhancedTable: An Augmented Table System for Supporting Face-to-Face Meeting in Ubiquitous Environment Systems Agents That Coordinate Web Services in Ubiquitous Computing Realizing a Secure Federation of Multi-institutional Service Systems Middleware Supporting Various Input/Output Devices for Networked Audio and Visual Home Appliances Context Awareness Bazaar: A Conceptual Framework for Physical Space Applications A Unified Application Service Model for ubiHome by Exploiting Intelligent Context-Awareness A Behavior-Based Personal Controller for Autonomous Ubiquitous Computing Sensors and Tags Scanning with a Purpose - Supporting the Fair Information Principles in RFID Protocols Towards a Comprehensive Integration and Application Platform for Large-Scale Sensor Networks Inexpensive and Automatic Calibration for Acceleration Sensors Dependable Coding of Fiducial Tags Author Index

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