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Soggetti	Computer communication systems User interfaces (Computer systems) Computer organization Software engineering Special purpose computers Application software Computer Communication Networks User Interfaces and Human Computer Interaction Computer Systems Organization and Communication Networks Software Engineering Special Purpose and Application-Based Systems Information Systems Applications (incl. Internet)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	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 -- Navigation with an Adaptive Mobile Map-Application: User Experiences of Gesture- and Context-

Sensitiveness -- Real-World Interaction -- Real-World Interaction with Camera Phones -- Experience-Sharing System Using Ubiquitous Sensing Environments -- 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.

Sommario/riassunto

This book is a collection of papers presented at UCS 2004, held on November 8–9 in Tokyo. UCS is a series of international symposia sponsored by the special interest group Ubiquitous Computing Systems of the Information Processing Society of Japan. The first UCS was held on November 17, 2003 in Kyoto. It was held as an invitation-based symposium. UCS 2004 was the second of the series, and the first submission-based conference. UCS focuses on the emerging research area of ubiquitous computing systems. This emergence is an outcome of the rapid evolution in smart appliances and devices, as well as tremendous advances in wireless networks and mobile computing. In the last few years, various applications of information technology have been changing our everyday life rapidly and to a large extent. The best example is the use of mobile phones. By getting new sensing devices, cameras, their application field is no longer limited to communication but covers data communications including Internet access, and data and program up-/downloading, and so on. The symposium offered the opportunity for in-depth exploration of the most recent research and development findings in the field of ubiquitous computing. The submitted papers presented at UCS 2004 suggest such a direction to future technologies, including mobile ad hoc networks, sensor networks and content-aware technologies.