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Disciplina	004
Soggetti	Computer engineering Computer networks Computers, Special purpose Data protection Application software Information storage and retrieval systems Computer Engineering and Networks Computer Communication Networks Special Purpose and Application-Based Systems Data and Information Security Computer and Information Systems Applications Information Storage and Retrieval
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Reaching Out -- Augmenting Looking, Pointing and Reaching Gestures to Enhance the Searching and Browsing of Physical Objects -- Reach Out and Touch: Using NFC and 2D Barcodes for Service Discovery and Interaction with Mobile Devices -- Combining Web, Mobile Phones and Public Displays in Large-Scale: Manhattan Story Mashup -- Context and Its Application -- PersonisAD: Distributed, Active, Scrutable Model

Framework for Context-Aware Services -- An Exploration into Activity-Informed Physical Advertising Using PEST -- Evaluating a Wearable Display Jersey for Augmenting Team Sports Awareness -- Using Location, Bearing and Motion Data to Filter Video and System Logs -- Security and Privacy -- Inference Attacks on Location Tracks -- Shake Well Before Use: Authentication Based on Accelerometer Data -- Virtual Walls: Protecting Digital Privacy in Pervasive Environments -- Trust, Privacy and Relationships in 'Pervasive Education': Families' Views on Homework and Technologies -- Understanding Use -- Operating Appliances with Mobile Phones -- Strengths and Limits of a Universal Interaction Device -- Portable, But Not Mobile: A Study of Wireless Laptops in the Home -- Managing Communication Availability and Interruptions: A Study of Mobile Communication in an Oncology Department -- Sensing -- Using Ground Reaction Forces from Gait Analysis: Body Mass as a Weak Biometric -- Weight-Sensitive Foam to Monitor Product Availability on Retail Shelves -- Assessing and Optimizing the Range of UHF RFID to Enable Real-World Pervasive Computing Applications -- Movement-Based Group Awareness with Wireless Sensor Networks -- Finding and Positioning -- Zone-Based RSS Reporting for Location Fingerprinting -- TrackSense: Infrastructure Free Precise Indoor Positioning Using Projected Patterns -- Objects Calling Home: Locating Objects Using Mobile Phones.

## Sommario/riassunto

On behalf of the Organizing Committee for Pervasive2007, welcome to the proceedings of the Fifth International Conference on Pervasive Computing. The year 2007 was a milestone for this young conference series, as it marked the first year that it was held outside of Europe. This "globalization" of the Pervasive conference is further evidence of its emergence as one of the most respected venues for publishing research on pervasive and ubiquitous computing. Each Pervasive conference represents a snapshot of our field, capturing the state of the art in technology, the research challenges we are addressing, as well as the people that form the Pervasive community. Each year's proceedings represent an opportunity to learn about new areas and identify upcoming research opportunities, and 2007 was no exception. Pervasive 2007 attracted 132 high-quality submissions, from which the Technical Program Committee accepted 21 papers, resulting in a competitive 16% acceptance rate. In total, there were over 400 individual authors from 32 countries, coming from a wide array of disciplines and from both academic and industrial organizations. Papers were selected solely on the quality of their peer reviews using a double-blind review process. We were fortunate to draw on the combined experience of over 125 years of research in pervasive and ubiquitous computing in our 28 Program Committee members, coming from the most prestigious universities and research labs in Europe, North America, and Asia. Program Committee members were aided by no less than 177 external reviewers in this rigorous process, in which each Committee member wrote about ten reviews and each external reviewer between one and six.