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Soggetti	User interfaces (Computer systems) Application software Computer communication systems Computer security Artificial intelligence Computers and civilization User Interfaces and Human Computer Interaction Information Systems Applications (incl. Internet) Computer Communication Networks Systems and Data Security Artificial Intelligence Computers and Society
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Speech -- Challenges in the Design and Development of Context-Aware Applications -- The Importance of Including the Haptics Factor in Interaction Design -- Regular Papers -- Security Policy Integration and Conflict Reconciliation for Collaborations among Organizations in Ubiquitous Computing Environments -- Improved Weighted Centroid Localization in Smart Ubiquitous Environments -- A

Formal Framework for Expressing Trust Negotiation in the Ubiquitous Computing Environment -- Pervasive Services on the Move: Smart Service Diffusion on the OSGi Framework -- Robots in Smart Spaces - A Case Study of a u-Object Finder Prototype - -- Biometrics Driven Smart Environments: Abstract Framework and Evaluation -- A Structured Methodology of Scenario Generation and System Analysis for Ubiquitous Smart Space Development -- Capturing Semantics for Information Security and Privacy Assurance -- A Framework for Context-Aware Home-Health Monitoring -- Semantic Learning Space: An Infrastructure for Context-Aware Ubiquitous Learning -- A Comprehensive Approach for Situation-Awareness Based on Sensing and Reasoning about Context -- Context-Adaptive User Interface in Ubiquitous Home Generated by Bayesian and Action Selection Networks -- Use Semantic Decision Tables to Improve Meaning Evolution Support Systems -- Combining User Profiles and Situation Contexts for Spontaneous Service Provision in Smart Assistive Environments -- Ubiquitous Phone System -- Utilizing RFIDs for Location Aware Computing -- A Component-Based Ambient Agent Model for Assessment of Driving Behaviour -- A Cartesian Robot for RFID Signal Distribution Model Verification -- Self-Localization in a Low Cost Bluetooth Environment -- Penetration Testing of OPC as Part of Process Control Systems -- Intersection Location Service for Vehicular Ad Hoc Networks with Cars in Manhattan Style Movement Patterns -- Ubiquitous and Robust Text-Independent Speaker Recognition for Home Automation Digital Life -- Energy Efficient In-Network Phase RFID Data Filtering Scheme -- Energy-Efficient Tracking of Continuous Objects in Wireless Sensor Networks -- Data Randomization for Lightweight Secure Data Aggregation in Sensor Network -- Mobile Sink Routing Protocol with Registering in Cluster-Based Wireless Sensor Networks -- Towards the Implementation of Reliable Data Transmission for 802.15.4-Based Wireless Sensor Networks -- An Energy-Efficient Query Processing Algorithm for Wireless Sensor Networks -- Special Session Papers -- Rule Selection for Collaborative Ubiquitous Smart Device Development: Rough Set Based Approach -- An Object-Oriented Framework for Common Abstraction and the Comet-Based Interaction of Physical u-Objects and Digital Services -- Personalizing Threshold Values on Behavior Detection with Collaborative Filtering -- IP Traceback Using Digital Watermark and Honeypot -- Multi-priority Multi-path Selection for Video Streaming in Wireless Multimedia Sensor Networks -- Energy Constrained Multipath Routing in Wireless Sensor Networks -- Controlling Uncertainty in Personal Positioning at Minimal Measurement Cost -- RFID System Security Using Identity-Based Cryptography -- RFID: An Ideal Technology for Ubiquitous Computing? -- An Experimental Analysis of Undo in Ubiquitous Computing Environments -- Towards a Collaborative Reputation Based Service Provider Selection in Ubiquitous Computing Environments -- Petri Net-Based Episode Detection and Story Generation from Ubiquitous Life Log -- Protection Techniques of Secret Information in Non-tamper Proof Devices of Smart Home Network -- Universal Remote Control for the Smart World -- Mobile Navigation System for the Elderly – Preliminary Experiment and Evaluation -- Time Stamp Protocol for Smart Environment Services -- An Analysis of the Manufacturing Messaging Specification Protocol -- A Long-Distance Time Domain Sound Localization -- Towards Dataintegration from WITSML to ISO 15926 -- A SIP-Based Session Mobility Management Framework for Ubiquitous Multimedia Services -- AwarePen - Classification Probability and Fuzziness in a Context Aware Application -- A Model Driven Development Method for Developing

Context-Aware Pervasive Systems -- Intelligent System Architecture for Context-Awareness in Ubiquitous Computing -- User-Based Constraint Strategy in Ontology Matching -- RFID-Based Interactive Learning in Science Museums -- Real-Time Detection of Passing Objects Using Virtual Gate and Motion Vector Analysis -- A Ubiquitous Interactive Museum Guide -- Dynamic Probabilistic Packet Marking with Partial Non-Preemption -- Fractal Model Based Face Recognition for Ubiquitous Environments.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Ubiquitous Intelligence and Computing, UIC 2008, held in Oslo, Norway, in June 2008, co-located with ATC 2008, the 5th International Conference on Autonomic and Trusted Computing. The 27 revised full papers presented together with 2 keynote papers and 1 invited paper were carefully reviewed and selected from 102 submissions. The papers are organized in topical sections on ubiquitous computing, smart spaces/environments/services, context-aware services and applications, intelligent computing: middleware, models and services, wireless sensor networks, smart objects and embedded computing, wireless networks: routing, mobility and security, ubiquitous computing, smart spaces/environments/services, intelligent computing: middleware, models and services, context-aware services and applications, as well as object identification: techniques and applications.