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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 contenuto	UCS2007 -- RFID Privacy Using Spatially Distributed Shared Secrets -- Context Adapted Certificate Using Morph Template Signature for Pervasive Environments -- Handling Spatio-temporal Sensor Data in Global Geographical Context with SENSORD -- Context Awareness by

Case-Based Reasoning in a Music Recommendation System --
 Developing Intelligent Smart Home by Utilizing Community Computing
 -- Instant Learning Sound Sensor: Flexible Real-World Event
 Recognition System for Ubiquitous Computing -- D-FLER – A
 Distributed Fuzzy Logic Engine for Rule-Based Wireless Sensor
 Networks -- Secure and Reliable Data Aggregation for Wireless Sensor
 Networks -- The iNAV Indoor Navigation System -- C-ANIS – A
 Contextual, Automatic and Dynamic Service-Oriented Integration
 Framework -- Using Auction Based Group Formation for Collaborative
 Networking in Ubicomp -- A Software Architecture for Virtual Device
 Composition and Its Applications -- Ubiquitous Communication
 Services Based on Effective Knowledge Deployment -- Detection of User
 Mode Shift in Home -- Discriminative Temporal Smoothing for Activity
 Recognition from Wearable Sensors -- Activity Recognition Based on
 Intra and Extra Manipulation of Everyday Objects -- Towards an
 Activity-Aware Wearable Computing Platform Based on an Egocentric
 Interaction Model -- mCube – Towards a Versatile Gesture Input Device
 for Ubiquitous Computing Environments -- uPackage – A Package to
 Enable Do-It-Yourself Style Ubiquitous Services with Daily Objects --
 DroPicks – A Tool for Collaborative Content Sharing Exploiting Everyday
 Artefacts -- Place Recognition Using Multiple Wearable Cameras --
 Compact Data Format for Advertising and Discovery in Ubiquitous
 Networks -- A Media Access Protocol for Proactive Discovery in
 Ubiquitous Wireless Networks -- Mobility Helps Data Delivery in
 Disruption Tolerant Networks.

Sommario/riassunto

We cordially welcome you to the proceedings of the 2007 International Symposium on Ubiquitous Computing Systems (UCS) held at Akihabara, Tokyo, Japan. UCS has become a symposium for the dissemination of state-of-the-art research and engineering practices in ubiquitous computing with particular emphasis on systems and software. UCS 2007 was the fourth of this series of international symposia. This was the year for the Next Generation Network(NGN)to be commercially launched so that the Internet could become the infrastructure for communications and computing substituting the NGN in telephone networks. The maturity of the Internet encourages the research and development of the next computing systems, where ubiquitous computing is recognized as one of the most promising computing paradigms. This symposium was organized by IPSJ SIGUBI, IEICE USN and UCN, Korea, in cooperation with the IEEE Tokyo Section, IPSJ SIGEMB, IEICE Smart Info-media Systems Technical Group, and Human Interface Society. It was also sponsored by Ubiquitous Networking Forum, Nokia, NTT, SCAT, IISF and TAF. This year, we had 96 submissions from 18 countries. The Program Committee reviewed all the papers carefully and then selected 16 full papers and 8 short papers. The very low acceptance rate of about 22.6% clearly demonstrates the high quality of the conference, and this tradition will continue in the upcoming conferences. Two distinguished speakers were also invited for keynote speeches, who enlightened the audience on ubiquitous computing and applications. The high-quality technical program of UCS 2007 depends very much on the precise and stringent review process. The Technical Program Committee consisted of 62 excellent members. Most reviews were almost of journal paper review quality, and the paper selection was very serious and strict. Along with the symposium, we also offered a workshop and a poster session.
