1. Record Nr. UNISA996465880103316

Titolo	Location- and Context-Awareness [[electronic resource]] : Second International Workshop, LoCA 2006, Dublin, Ireland, May 10-11, 2006, Proceedings / / edited by Mike Hazas, John Krumm, Thomas Strang
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-34151-X
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (X, 294 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 3987
Disciplina	621.39
Soggetti	Computer engineering Application software Information storage and retrieval Computer communication systems Personal computers User interfaces (Computer systems) Computer Engineering Information Systems Applications (incl. Internet) Information Storage and Retrieval Computer Communication Networks Personal Computing User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Location Sensing -- Particle Filters for Position Sensing with Asynchronous Ultrasonic Beacons -- Cluster Tagging: Robust Fiducial Tracking for Smart Environments -- Automatic Mitigation of Sensor Variations for Signal Strength Based Location Systems -- Mapping -- KOTOHIRAGU NAVIGATOR: An Open Experiment of Location-Aware Service for Popular Mobile Phones -- A Wearable Interface for Topological Mapping and Localization in Indoor Environments -- Taking Location Modelling to New Levels: A Map Modelling Toolkit for Intelligent Environments -- Privacy and Access -- Harvesting of

Location-Specific Information Through WiFi Networks -- Re-identifying Anonymous Nodes -- Anonymous User Tracking for Location-Based Community Services -- Context Sensing -- Towards Personalized Mobile Interruptibility Estimation -- Unsupervised Discovery of Structure in Activity Data Using Multiple Eigenspaces -- Toward Scalable Activity Recognition for Sensor Networks -- Social Context -- Nomatic: Location By, For, and Of Crowds -- An Unsupervised Learning Paradigm for Peer-to-Peer Labeling and Naming of Locations and Contexts -- Building Common Ground for Face to Face Interactions by Sharing Mobile Device Context -- Representation and Programming -- Evaluating Performance in Continuous Context Recognition Using Event-Driven Error Characterisation -- Location-Based Context Retrieval and Filtering -- Scripting Your Home.

Sommario/riassunto

nd These proceedings contain the papers presented at the 2 International Workshop on Location- and Context-Awareness in May of 2006. As computing moves increasingly into the everyday world, the importance of location and context knowledge grows. The range of contexts encountered while sitting at a desk working on a computer is very limited compared to the large variety of situations experienced away from the desktop. For computing to be relevant and useful in these situations, the computers must have knowledge of the user's activity, resources, state of mind, and goals, i.e., the user's context, of which location is an important indicator. This workshop was intended to present research aimed at sensing, inferring, and using location and context data in ways that help the user. Our call for papers resulted in 74 submissions, each of which was assigned to members of our Program Committee. After reviews and email discussion, we selected 18 papers for publication in these proceedings. Most of the accepted papers underwent a shepherding process by a reviewer or a member of the Program Co- ittee to ensure that the reviewers' comments were accounted for in the published version. We feel our selective review process and shepherding phase have resulted in a high-quality set of published papers. We extend a sincere "thank you" to all the authors who submitted papers, to our hard-working Program Committee, our thoughtful reviewers, and our conscientious shepherds. May 2006 Mike Hazas and John Krumm, Program Co-chairs Thomas Strang, Workshop Chair.