

1. Record Nr.	UNISA996465603603316
Titolo	Location- and context-awareness : third international symposium, LoCA 2007, Oberpfaffenhofen, Germany, September 20-21, 2007 : proceedings // Jeffrey Hightower, Bernt Schiele, Thomas Strang (editors)
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2007] ©2007
ISBN	3-540-75160-2
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (X, 300 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 4718
Disciplina	004.256
Soggetti	Mobile communication systems - Data processing Electronic data processing - Distributed processing Context-aware computing
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	Bootstrapping a Location Service Through Geocoded Postal Addresses -- Deployment, Calibration, and Measurement Factors for Position Errors in 802.11-Based Indoor Positioning Systems -- LifeTag: WiFi-Based Continuous Location Logging for Life Pattern Analysis -- Scalable Recognition of Daily Activities with Wearable Sensors -- Information Overlay for Camera Phones in Indoor Environments -- SocialMotion: Measuring the Hidden Social Life of a Building -- A Unified Semantics Space Model -- Federation and Sharing in the Context Marketplace -- A Taxonomy for Radio Location Fingerprinting -- Inferring the Everyday Task Capabilities of Locations -- The Whereabouts Diary -- Adaptive Learning of Semantic Locations and Routes -- Signal Dragging: Effects of Terminal Movement on War-Driving in CDMA/WCDMA Networks -- Modeling and Optimizing Positional Accuracy Based on Hyperbolic Geometry for the Adaptive Radio Interferometric Positioning System -- Inferring Position Knowledge from Location Predicates -- Preserving Anonymity in Indoor Location System by Context Sensing and Camera-Based Tracking -- Localizing Tags Using Mobile Infrastructure.

These proceedings contain the papers presented at the 3rd International Symposium on Location- and Context-Awareness in September of 2007. Computing has become mobile, wireless, and portable. 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 emerging situations, computers will need to take advantage of users location, activities, goals, abilities, preferences, interruptibility, affordances, and surroundings. With this contextual awareness, we can expect computers to deliver information, services, and entertainment in a way that maximizes convenience and minimizes intrusion. This symposium presented research aimed at sensing, inferring, and using location and context data in ways that help the user. Developing awareness involves research in sensing, inference, data representation, and design. We sought technical papers describing original, previously unpublished research results including: – Sensing location and context – Inference techniques for context from low-level sensor data – Privacy and sharing of location and context information – User studies of location- and context-aware systems Our call for papers resulted in 55 submissions, each of which was assigned to members of our Program Committee. After reviews and e-mail discussions, we selected 17 papers for publication in these proceedings. We extend a sincere thank you to all the authors who submitted papers, to the 33 hard-working members of our Program Committee, and to our external reviewers.
