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	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.

Sommario/riassunto

These proceedings contain the papers presented at the 3rd International S- posium on Location- and Context-Awareness in September of 2007. Computing has become mobile, wireless, and portable. The rangeof contexts encountered while sitting at a desk working on a computer is very limited c- pared to the large variety of situations experienced away from the desktop. For computing to be relevantanduseful in these emergingsituations, computers will need to take advantage of users location, activities, goals, abilities, preferences, interruptibility, a?ordances, 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 - volvesresearchin sensing, inference, data representation,and design. We sought technical papers describing original, previously unpublished research results - cluding: – Sensing location and context – Inference techniques for context from low-level sensor data – Privacy and sharing of location and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.