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Using Wireless Sensor Networks -- Time-Lag as Limiting Factor for Indoor Walking Navigation -- Information Aspects of Context-Aware Sensor and Actuator Systems -- A Query Service for Raw Sensor Data -- A Context Lifecycle for Web-Based Context Management Services -- Semantic Annotation and Reasoning for Sensor Data -- Context-Aware Service Platforms -- Semantic Rules for Context-Aware Geographical Information Retrieval -- A Context Provisioning Framework to Support Pervasive and Ubiquitous Applications -- Context-Aware Recommendations on Mobile Services: The m:Ciudad Approach -- Context Processing, Reasoning and Fusion -- Context Cells: Towards Lifelong Learning in Activity Recognition Systems -- Automatic Event-Based Synchronization of Multimodal Data Streams from Wearable and Ambient Sensors -- Using Dempster-Shafer Theory of Evidence for Situation Inference -- Real-World Experiences with Deployed Systems -- Recognizing the Use-Mode of Kitchen Appliances from Their Current Consumption -- Wireless Sensor Networks to Enable the Passive House - Deployment Experiences -- Context-Aware Frameworks in Mobile Environments -- Mobile Context Toolbox -- Statistic-Based Context Recognition in Smart Car.