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	Nota di contenuto	Mobile GIS and LBS -- Development of an Embedded Spatial MMDBMS for Spatial Mobile Devices -- Design of Query Language for Location-Based Services -- Towards a Taxonomy of Location Based Services -- Refined Route Instructions Using Topological Stages of Closeness -- Mapping and Representation Issues in Web and Mobile GIS -- An Increment Based Model for Multi-resolution Geodata Management in a Mobile System -- Efficiently Generating Multiple Representations for Web Mapping -- A Framework for Dynamic Updates of Map Data in Mobile Devices -- Geo-Enabling Spatially Relevant Data for Mobile Information Use and Visualisation -- Mobile Networks -- The Self-

relocating Index Scheme for Telematics GIS -- Location Polling Algorithm for Alerting Service Based on Location -- A Design of Telematics Application Framework on Ubiquitous Sensor Networks -- Resource Discovery Using Spatio-temporal Information in Mobile Ad-Hoc Networks -- Querying in a Mobile Environment -- Geo-Mobile Queries: Sketch-Based Queries in Mobile GIS-Environments -- Adaptive Path Finding for Moving Objects -- Incremental Evaluation of Continuous Range Queries over Objects Moving on Known Network Paths -- Context and Personalization Issues in Web and Mobile GIS -- Using Styled Layer Descriptor (SLD) for the Dynamic Generation of User- and Context-Adaptive Mobile Maps – A Technical Framework -- Delivering Personalized Context-Aware Spatial Information to Mobile Devices -- A Hybrid Approach for Spatial Web Personalization -- Web GIS -- Connectivity Inferences over the Web for the Analysis of Semantic Networks -- Trajectory-Based Presentation of Heterogeneous Spatio-temporal Content -- Interoperable Geographic Information Services to Support Crisis Management -- Web GIS Management and Risk Evaluation of a Road Slope Using a Terrestrial LiDAR -- Modeling for Web and Mobile GIS -- SAMATS – Triangle Grouping and Structure Recovery for 3D Building Modeling and Visualization -- Surface Modelling for GPS Satellite Visibility -- The Effect of Resident-Perceived Neighborhood Boundary on the Equity of Public Parks Distribution: Using GIS.

Sommario/riassunto	These proceedings contain the papers selected for presentation at the 5th edition of the International Workshop on Web and Wireless Geographical Information Systems, held in December 2005, in Lausanne, Switzerland. The aim of the series of annual W2GIS workshops is to provide an up-to-date review of advances on recent devel- ment and research results in the field of web and wireless geographical information systems. It follows the successful 2001, 2002, 2003, 2004 editions, held in Kyoto, Singapore, Rome and Seoul, respectively. It now represents a young but rapidly - turing research community. In its 5th year, W2GIS reached new heights of recognition as a quality workshop for the dissemination and discussion on latest research and development achievements in the domain. The number of papers received for this workshop demonstrates the growing interest of the research community. There were 70 submissions from 17 countries, many of them of excellent quality and most of them very related to the t- ics of the workshop. Each paper receives three reviews. Based on these reviews, 25 papers were selected for presentation and inclusion in the proceedings. The accepted papers cover a wide range of topics from the Semantic Web, Web personalization, contextual representation and mapping to querying in mobile environments, to mobile networks and location-based services. We had the privilege of having a distinguished invited talk "The next revolution: Peer-to-Peer discovery on mobile devices" by Ouri Wolfson, University of Illinois at Chicago, USA.