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Nota di contenuto	Session 1 - Location-Based Services -- Putting Location-Based Services on the Map -- Beyond Location Based – The Spatially Aware Mobile Phone -- An Event Detection Service for Spatio-temporal Applications -- A Tourism Information System for Rural Areas Based on a Multi Platform Concept -- Session 2 - W2GIS Applications and Prototypes -- Prediction of GPS Multipath Effect Using LiDAR Digital Surface Models and Building Footprints -- The Web Integration of the GPS+GPRS+GIS Tracking System and Real-Time Monitoring System Based on MAS -- A Management System of Street Trees by Using RFID -- A Modular Neural Network Approach to Improve Map-Matched GPS Positioning -- Session

3 - Wayfinding, Mobile and Wireless GIS -- Representational Issues in Interactive Wayfinding Systems: Navigating the Auckland University Campus -- A Hybrid Spatial Model for Representing Indoor Environments -- MEMS Mobile GIS: A Spatially Enabled Fish Habitat Management System -- A Mobile Computing Approach for Navigation Purposes -- Session 4 - W2GIS Personalization and Agent -- Improving Archaeological Heritage Information Access Through a Personalised GIS Interface -- Designing Adaptive Spatio-temporal Information Systems for Natural Hazard Risks with ASTIS -- A Contextual Approach for the Development of GIS: Application to Maritime Navigation -- P2P and Agent Service Based On-Line 3D GIS -- Session 5 - Data Management and Data Retrieval Methods -- Integrating Data from Maps on the World-Wide Web -- Web-Based Cluster Analysis for the Time-Series Signature of Local Spatial Association -- A Methodology for Predicting Performances of Map-Matching Algorithms -- Path Planning for Chaining Geospatial Web Services -- Session 6 - Semantic Geo-spatial Web and Ubiquitous W2GIS -- Indexing Moving Objects on Road Networks in P2P and Broadcasting Environments -- GeoComputation in the Grid Computing Age -- Semantic Spatial Web Services with Case-Based Reasoning -- TMOM: A Moving Object Main Memory-Based DBMS for Telematics Services.

Sommario/riassunto

These proceedings contain the papers selected for presentation at the sixth edition of the International Symposium on Web & Wireless Geographical Information Systems held in Hong Kong during December 2006. This symposium was intended to provide an up-to-date review of advances in both theoretical and technical development of 2 Web and Wireless Geographical Information Systems (W GIS). It was the sixth in a series of successful events beginning with Kyoto 2001, and alternating locations annually between East Asia and Europe. It now represents an ever-increasing spatially aware geotechnology research community. Now in its sixth year, W2GIS has matured in name from a “workshop” to a full 2-day “symposium” – recognition by the field as a forum for quality dissemination and discussion on the latest research and development achievements in the domain. The number of papers received for this symposium demonstrates not only the growing importance of this field for researchers but also the growing impact these developments have in the daily lives of all citizens. From well over 130 submissions, 72 papers were initially selected as being directly in scope with the symposium, and from these, 24 papers (33%) were selected for final presentation and inclusion in the proceedings. Each paper received three reviews and was ranked accordingly. The accepted papers cover a wide range of topics from the Semantic Web, Web personalization, contextual representation and mapping to querying in mobile environments, mobile networks and recent developments in location-based services and applications.
