<<Web   LNCS-4295>>

13   ISBN   9783540494669

10   ISBN   3540494669

       2006-12

       Springer-Verlag Berlin and Heidelberg GmbH & Co. KG

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This book constitutes the refereed proceedings of the 6th International Symposium on Web and Wireless Geographical Information Systems, W2GIS 2006, held in Hong Kong, China in December 2006. The 24 revised full papers presented were carefully reviewed and selected from over 130 submissions and 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. The papers are organized in topical sections on location-based services, W2GIS applications and prototypes, wayfinding, mobile and wireless GIS, W2GIS personalization and agents, data management and data retrieval methods, as well as semantic geo-spatial Web and ubiquitous W2GIS.

Session 1-Location-Based Services Putting Location-Based Services on the Map Beyond Location Based-The Spatially Awrae Mobile Phone   An Event Detection Service for Spatio-temporal Applications A Tourism Information System for Rural Areas Based on a Multi Platform ConceptSession 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 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 Univeusity 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 3DGISSession 5-Data Management and Data Reruieval Methods   Integrating Data from Maps on the World-Wide Web   Web-Based Cluster Analysis for the Time-Series Signature of Local Spatial Association … …Session 6-Semantic Geo-spatial Web and Ubiquitous W2GISAuthor Index

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