



Advances in Spatial Data Handling and Analysis [Select Papers from the 16th IGU Spatial Data Handling Symposium /

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Monografía

This volume includes top papers from the 2014 International Symposium on Spatial Data Handling and covers Web and Crowd-sourcing GI, Network Analysis, Spatial Modelling and Reasoning, and Statistical and Spatial Analysis. The Symposium is the premier long-running forum in geographical information science, providing a prestigious outlet to geographers, cartographers, computer scientists and others in this rapidly developing multidisciplinary area

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Contenido: Introduction -- Alternative GIS (alt.gis) and the six senses of the new mind -- Enriching Navigation Instructions to Support the Formation of Mental Maps -- A Classification of User Contributions on the Participatory Geoweb -- Identifying Locally- And Globally-Distinctive Urban Place Descriptors from Heterogeneous User-Generated Content -- Identifying Optimal Study Areas and Spatial Aggregation Units for Point-based VGI from Multiple Sources -- A General Framework For Event Detection From Social Media -- The Uncertain Geographic Context Problem in Identifying Activity Centers Using Mobile Phone Positioning Data and Point of Interest Data -- Mining Co-Location Patterns between Network Spatial Phenomena -- How to model roads

in Open Street Map? A method for evaluating the fitness-for-use of the network for navigation -- Development of a nationwide road change database for the U.S. in the post-recession years (2008{u2013}2012) -- Revising the Self-Best-Fit Strategy for Stroke Generation -- A Spatio-temporal Decision Support Framework for Large Scale Logistics Distribution in the Metropolitan Area -- Local Absolute Vertical Accuracy Computation of Wide-Coverage Digital Terrain Models -- Analyzing the influence of ethnic composition and immigrant residents on the spatial distribution of violent crime -- An Informed Virtual Geographic Environment Enhanced with Qualitative and Quantitative Information for the Geosimulations of Zoonosis Propagation -- A Stochastic Method for the Generation of Optimized Building Layouts Respecting Urban Regulations -- Spatial Variation of Privacy Measured Through Individual Uniqueness Based on Simple US Demographics Data -- Monte Carlo-Based Analysis of the Effect of Positional and Thematic Uncertainties on Biodiversity Models -- Examining Tail Distributions Of Moran {u2019}s I Statistic Through Intensive Simulations -- Index

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