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Nota di contenuto	Models and Languages for Geo-Ontologies -- Two Types of Hierarchies in Geospatial Ontologies -- Semantic Annotation of Maps Through Knowledge Provenance -- Architecture for a Grounded Ontology of Geographic Information -- Alignment and Integration of Geo-

Ontologies -- Towards Effective Geographic Ontology Matching -- An Algorithm for Merging Geographic Datasets Based on the Spatial Distributions of Their Values -- Structure-Based Methods to Enhance Geospatial Ontology Alignment -- Ontology-Based Spatial Information Retrieval -- Geographic Information Retrieval by Topological, Geographical, and Conceptual Matching -- A Rule-Based Description Framework for the Composition of Geographic Information Services -- Algorithm, Implementation and Application of the SIM-DL Similarity Server -- Formal Representation for GeoSpatial Data -- A Location and Action-Based Model for Route Descriptions -- Spatio-temporal Conceptual Schema Development for Wide-Area Sensor Networks -- Modeling Spatio-temporal Network Computations: A Summary of Results -- Integration of Semantics into Spatial Query Processing -- Building Geospatial Ontologies from Geographical Databases -- Applying Spatial Reasoning to Topographical Data with a Grounded Geographical Ontology -- Supporting Complex Thematic, Spatial and Temporal Queries over Semantic Web Data -- Short Papers -- Semantic Similarity Applied to Generalization of Geospatial Data -- Towards Semantics for Map Styles -- DAGIS: A Geospatial Semantic Web Services Discovery and Selection Framework -- The Gravity Data Ontology: Laying the Foundation for Workflow-Driven Ontologies.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Conference on GeoSpatial Semantics, GeoS 2007, held in Mexico City, Mexico in November 2007. The 15 revised full papers presented together with 4 revised short papers were carefully reviewed and selected from 35 submissions. The papers are organized in topical sections on models and languages for geo-ontologies, alignment and integration of geo-ontologies, ontology-based spatial information retrieval, formal representation for geospatial data, and integration of semantics into spatial query processing.
