

1. Record Nr.	UNISA996465616603316
Titolo	Spatial Information Theory [[electronic resource]] : International Conference, COSIT 2005, Ellicottville, NY, USA, September 14-18, 2005, Proceedings / / edited by Anthony G. Cohn, David M. Mark
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XII, 500 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 3693
Disciplina	910.285
Soggetti	Data structures (Computer science) Artificial intelligence Computers Database management Physical geography Data Structures Artificial Intelligence Computation by Abstract Devices Database Management Models and Principles Physical Geography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Vagueness, Uncertainty, and Gradation -- Anchoring: A New Approach to Handling Indeterminate Location in GIS -- Gradation and Map Analysis in Area-Class Maps -- Simulation of Obfuscation and Negotiation for Location Privacy -- Paths and Routes -- Investigating the Need for Eliminatory Constraints in the User Interface of Bicycle Route Planners -- Path Memory in Real-World and Virtual Settings -- Shortest Path Search from a Physical Perspective -- Ontology and Semantics -- Operationalising 'Sense of Place' as a Cognitive Operator for Semantics in Place-Based Ontologies -- Data-Driven Matching of Geospatial Schemas -- The Role of Spatial Relations in Automating the

Semantic Annotation of Geodata -- Ontology and Spatial Relations --
Anatomical Information Science -- Matching Names and Definitions of
Topological Operators -- Spatial Relations Between Classes of
Individuals -- Spatial Reasoning -- Casl Specifications of Qualitative
Calculi -- A Spatial Form of Diversity -- Structure and Semantics of
Arrow Diagrams -- Cognitive Maps and Spatial Reasoning -- Cognitive
Maps Are over 60 -- Categorical Methods in Qualitative Reasoning: The
Case for Weak Representations -- On Internal Cardinal Direction
Relations -- Time, Change, and Dynamics -- Dynamic Collectives and
Their Collective Dynamics -- A Linguistics-Based Framework for
Modeling Spatio-temporal Occurrences and Purposive Change --
Ordering Events for Dynamic Geospatial Domains -- Landmarks and
Navigation -- Structural Salience of Landmarks for Route Directions --
Expert and Non-expert Knowledge of Loosely Structured Environments
-- Landmark Extraction: A Web Mining Approach -- Geographic
Information -- Satellite Images – A Source for Social Scientists? On
Handling Multiple Conceptualisations of Space in Geographical
Information Systems -- 3D Topographic Data Modelling: Why Rigidity Is
Preferable to Pragmatism -- Morse-Smale Decompositions for
Modeling Terrain Knowledge -- Spatial Behavior -- 2D-3D MultiAgent
GeoSimulation with Knowledge-Based Agents of Customers' Shopping
Behavior in a Shopping Mall -- Memory for Spatial Location: Influences
of Environmental Cues and Task Field Rotation -- Network and
Psychological Effects in Urban Movement -- Abstracts of Keynote Talks
-- Probabilistic Techniques for Mobile Robot Navigation -- Spatial
Language, Spatial Thought: Parallels in Path Structure.
