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Soggetti	Data structures (Computer science) Information theory Database management Earth sciences Data mining Application software Artificial intelligence Data Structures and Information Theory Database Management Earth Sciences Data Mining and Knowledge Discovery Computer and Information Systems Applications Artificial Intelligence
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Continuous Monitoring of Exclusive Closest Pairs -- Continuous Evaluation of Fastest Path Queries on Road Networks -- Continuous Medoid Queries over Moving Objects -- Efficient Index Support for View-Dependent Queries on CFD Data -- Generalizing the Optimality of Multi-step k-Nearest Neighbor Query Processing -- S-GRID: A Versatile Approach to Efficient Query Processing in Spatial Networks --

Efficiently Mining Regional Outliers in Spatial Data -- A Two Round Reporting Approach to Energy Efficient Interpolation of Sensor Fields -- Online Amnesic Summarization of Streaming Locations -- Spatial Partition Graphs: A Graph Theoretic Model of Maps -- Geographic Ontology Matching with iG-Match -- Local Topological Relationships for Complex Regions -- MobiHide: A Mobile Peer-to-Peer System for Anonymous Location-Based Queries -- Blind Evaluation of Nearest Neighbor Queries Using Space Transformation to Preserve Location Privacy -- Enabling Private Continuous Queries for Revealed User Locations -- Computing a k-Route over Uncertain Geographical Data -- Querying Objects Modeled by Arbitrary Probability Distributions -- Invisible Graffiti on Your Buildings: Blind and Squaring-Proof Watermarking of Geographical Databases -- Transformation of Continuous Aggregation Join Queries over Data Streams -- Continuous Constraint Query Evaluation for Spatiotemporal Streams -- Collaborative Spatial Data Sharing Among Mobile Lightweight Devices -- A Study for the Parameters of a Distributed Framework That Handles Spatial Areas -- Distributed, Concurrent Range Monitoring of Spatial-Network Constrained Mobile Objects -- Compression of Digital Road Networks -- Traffic Density-Based Discovery of Hot Routes in Road Networks -- Spatio-temporal Network Databases and Routing Algorithms: A Summary of Results.

Sommario/riassunto

For researchers and professionals in the field of databases, this is a must-read text that gives them right up-to-the-minute information on their field. It represents the refereed proceedings of the 10th International Symposium on Spatial and Temporal Databases, held in Boston, USA in July 2007. The 26 revised full papers were thoroughly reviewed and selected from a total of 76 submissions. The papers are classified in numerous categories, each corresponding to a conference session. These include continuous monitoring; indexing and query processing; and mining.
