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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Sensing and In-Network Processing -- Distributed Network Configuration for Wavelet-Based Compression in Sensor Networks -- Spatially-Localized Compressed Sensing and Routing in Multi-hop Sensor Networks -- Estimation of Pollutant-Emitting Point-Sources Using Resource-Constrained Sensor Networks -- Hyperellipsoidal SVM-Based Outlier Detection Technique for Geosensor Networks -- Routing -- Genetic Algorithm for Clustering in Wireless Adhoc Sensor Networks -- VGTR: A Collaborative, Energy and Information Aware Routing Algorithm for Wireless Sensor Networks through the Use of Game Theory -- Building Efficient Aggregation Trees for Sensor Network Event-Monitoring Queries -- Improving Chord Network Performance Using Geographic Coordinates -- Analysis and Modelling -- RFID Data Aggregation -- A Framework for Trajectory Clustering -- Preliminaries for Topological Change Detection Using Sensor Networks -- Applications and Interoperability -- On the Feasibility of Early Detection of Environmental Events through Wireless Sensor Networks and the Use of 802.15.4 and GPRS -- Deploying a Wireless Sensor Network in Iceland -- Efficient Viewpoint Selection for Urban Texture

Documentation -- User Requirements and Future Expectations for
Geosensor Networks – An Assessment -- A Reference Architecture for
Sensor Networks Integration and Management -- A Stimulus-Centric
Algebraic Approach to Sensors and Observations.

Sommario/riassunto

This book constitutes the proceedings of the Third International Conference on GeoSensor Networks, GSN 2009, held in Oxford, UK, on July 13-14, 2009. The 15 contributions presented together with 2 invited papers were carefully reviewed and selected from 32 submissions. This volume includes papers covering a variety of topics, ranging from sensing, routing and in-network processing, to data modelling, analysis and applications. It reflects the cross-disciplinary nature of geosensor networks by bringing together ideas from different fields, such as geographic information systems, distributed sys