

1. Record Nr.	UNINA9910483102003321
Titolo	GeoSensor Networks : Third International Conference, GSN 2009, Oxford, UK, July 13-14, 2009, Proceedings // edited by Niki Trigoni, Andrew Markham, Sarfraz Nawaz
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	1-282-29794-5 9786612297946 3-642-02903-5
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (196 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 5659
Disciplina	910.285
Soggetti	Computer networks Earth sciences Computer engineering Data mining Computer Communication Networks Earth Sciences Computer Engineering and Networks Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
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
