1.	Record Nr.	UNISA996465419703316

Titolo	Wireless sensor networks : 5th European conference, EWSN 2008, Bologna, Italy, January 30 - February 1, 2008 : proceedings / / Roberto Verdone (editor)
Pubbl/distr/stampa	Berlin, Germany : , : Springer, , [2008] ©2008
ISBN	3-540-77690-7
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XIII, 390 p.)
Collana	Computer Communication Networks and Telecommunications ; ; 4913
Disciplina	681.2
Soggetti	Wireless communication systems Sensor networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Best Papers -- Clustering-Based Minimum Energy Wireless m-Connected k-Covered Sensor Networks -- Activity Recognition from On-Body Sensors: Accuracy-Power Trade-Off by Dynamic Sensor Selection -- Predictive Modeling-Based Data Collection in Wireless Sensor Networks -- Localization -- Distributed Inference for Network Localization Using Radio Interferometric Ranging -- Speed, Reliability and Energy Efficiency of HashSlot Communication in WSN Based Localization Systems -- Detection of Space/Time Correlated Events -- Spatiotemporal Anomaly Detection in Gas Monitoring Sensor Networks -- Discovery of Frequent Distributed Event Patterns in Sensor Networks -- Tracking Dynamic Boundary Fronts Using Range Sensors -- Network Coding -- Network-Coding-Based Cooperative Transmission in Wireless Sensor Networks: Diversity-Multiplexing Tradeoff and Coverage Area Extension -- Resilient Coding Algorithms for Sensor Network Data Persistence -- Zigbee -- Radio Characterization of 802.15.4 and Its Impact on the Design of Mobile Sensor Networks -- Analysis of Audio Streaming Capability of Zigbee Networks -- Efficient Resource Estimation During Mass Casualty Emergency Response Based on a Location Aware Disaster Aid Network -- Topology -- Efficient Clustering for Improving Network Performance in Wireless Sensor Networks -- Lifetime Maximization in Wireless Sensor Networks by

Distributed Binary Search -- An Algorithm for Reconnecting Wireless Sensor Network Partitions -- Software -- Typhoon: A Reliable Data Dissemination Protocol for Wireless Sensor Networks -- FiGaRo: Fine-Grained Software Reconfiguration for Wireless Sensor Networks -- NanoECC: Testing the Limits of Elliptic Curve Cryptography in Sensor Networks -- Deployment and Application Development -- Characterizing Mote Performance: A Vector-Based Methodology -- Que: A Sensor Network Rapid Prototyping Tool with Application Experiences from a Data Center Deployment -- Device Driver Abstraction for Multithreaded Sensor Network Operating Systems -- A Component Framework for Content-Based Publish/Subscribe in Sensor Networks.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 5th European Workshop on Wireless Sensor Networks, EWSN 2008, held in Bologna, Italy, in January/February 2008. The 23 revised full papers presented were carefully reviewed and selected from 110 submissions. The papers are organized in topical sections on localization, detection of space/time correlated events, network coding, ZigBee, topology, software, as well as deployment and application development. |