

1. Record Nr.	UNISA996465629003316
Titolo	Wireless sensor networks : 7th European conference, EWSN 2010, Coimbra, Portugal, February 17-19, 2010 ; proceedings // Jorge Sal Silva, Bhaskar Krishnamachari, Fernando Boavida (editors)
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer, , [2010] Â©2010
ISBN	1-280-38577-4 9786613563699 3-642-11917-4
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (349 p.)
Collana	Lecture Notes in Computer Science ; ; 5970
Disciplina	004
Soggetti	Computer science Computer software
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Localization, Synchronization and Compression -- Radio Interferometric Angle of Arrival Estimation -- Phoenix: An Epidemic Approach to Time Reconstruction -- Trimming the Tree: Tailoring Adaptive Huffman Coding to Wireless Sensor Networks -- Networking -- I -- Querying Dynamic Wireless Sensor Networks with Non-revisiting Random Walks -- TARF: A Trust-Aware Routing Framework for Wireless Sensor Networks -- Low-Overhead Dynamic Multi-channel MAC for Wireless Sensor Networks -- Exploiting Overlapping Channels for Minimum Power Configuration in Real-Time Sensor Networks -- New Directions -- Privacy-Preserving Reconstruction of Multidimensional Data Maps in Vehicular Participatory Sensing -- Gathering Sensor Data in Home Networks with IPFIX -- Sensing for Stride Information of Sprinters -- Programming & Architecture -- Wiselib: A Generic Algorithm Library for Heterogeneous Sensor Networks -- Selective Reprogramming of Mobile Sensor Networks through Social Community Detection -- Improving Sensornet Performance by Separating System Configuration from System Logic -- Virtualising Testbeds to Support Large-Scale Reconfigurable Experimental Facilities -- Link Reliability --

Mitigating the Effects of RF Interference through RSSI-Based Error Recovery -- F-LQE: A Fuzzy Link Quality Estimator for Wireless Sensor Networks -- On the Mechanisms and Effects of Calibrating RSSI Measurements for 802.15.4 Radios -- Making SensorNet MAC Protocols Robust against Interference -- Networking -- II -- MaxMAC: A Maximally Traffic-Adaptive MAC Protocol for Wireless Sensor Networks -- Energy-Aware Sparse Approximation Technique (EAST) for Rechargeable Wireless Sensor Networks -- An Adaptive Strategy for Energy-Efficient Data Collection in Sparse Wireless Sensor Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th European Conference on Wireless Sensor Networks, EWSN 2010, held in Coimbra, Portugal, in Februar 2010. The 21 revised full papers presented were carefully reviewed and selected from 109 submissions. The papers are organized in topical sections on localization, synchronization and compression, networking I, new directions, programming & architecture, link reliability, and networking II. .
