

1. Record Nr.	UNINA9910142431503321
Titolo	Handbook of sensor networks [[electronic resource]] : algorithms and architectures / / edited by Ivan Stojmenovic
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2005
ISBN	1-280-27760-2 9786610277605 0-470-35862-9 0-471-74413-1 0-471-74414-X 1-60119-094-8
Descrizione fisica	1 online resource (552 p.)
Collana	Wiley Series on Parallel and Distributed Computing ; ; v.49
Altri autori (Persone)	StojmenovicIvan
Disciplina	621.3821 681.2 681/.2
Soggetti	Sensor networks
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	HANDBOOK OF SENSOR NETWORKS; CONTENTS; Preface; Contributors; 1. Introduction to Wireless Sensor Networking; 2. Distributed Signal Processing Algorithms for the Physical Layer of Large-Scale Sensor Networks; 3. Energy Scavenging and Nontraditional Power Sources for Wireless Sensor Networks; 4. A Virtual Infrastructure for Wireless Sensor Networks; 5. Broadcast Authentication and Key Management for Secure Sensor Networks; 6. Embedded Operating Systems for Wireless Microsensor Nodes; 7. Time Synchronization and Calibration in Wireless Sensor Networks; 8. The Wireless Sensor Network MAC 9. Localization in Sensor Networks10. Topology Construction and Maintenance in Wireless Sensor Networks; 11. Energy-Efficient Backbone Construction, Broadcasting, and Area Coverage in Sensor Networks; 12. Geographic and Energy-Aware Routing in Sensor Networks; 13. Data-Centric Protocols for Wireless Sensor Networks; 14. Path Exposure, Target Location, Classification, and Tracking in Sensor Networks; 15. Data Gathering and Fusion in Sensor Networks; Index

The State Of The Art Of Sensor NetworksWritten by an international team of recognized experts in sensor networks from prestigious organizations such as Motorola, Fujitsu, the Massachusetts Institute of Technology, Cornell University, and the University of Illinois, Handbook of Sensor Networks: Algorithms and Architectures tackles important challenges and presents the latest trends and innovations in this growing field.Striking a balance between theoretical and practical coverage, this comprehensive reference explores a myriad of possible architectures for future commercial, soc
