1. Record Nr.   UNINA9910483762803321

   Titolo   Algorithms for Sensor Systems : 9th International Symposium on
                        Algorithms and Experiments for Sensor Systems, Wireless Networks and
                        Distributed Robotics, ALGOSENSORS 2013, Sophia Antipolis, France,
                        September 5-6, 2013, Revised Selected Papers / / edited by Paola
                        Flocchini, Jie Gao, Evangelos Kranakis, Friedhelm Meyer auf der Heide

   Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer,
                        , 2014

   ISBN   3-642-45346-5

   Edizione   [1st ed. 2014.]

   Descrizione fisica   1 online resource (X, 307 p. 91 illus.)

   Collana   Computer Communication Networks and Telecommunications ; ; 8243

   Disciplina   004.601/5181

   Soggetti   Algorithms
                        Computer communication systems
                        Computer science—Mathematics
                        Algorithm Analysis and Problem Complexity
                        Computer Communication Networks
                        Mathematics of Computing

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di bibliografia Includes bibliographical references and author index.

   Nota di contenuto   Modeling Reality Algorithmically: The Case of Wireless Communication
                        -- Autonomous Mobile Robots: A Distributed Computing -- Token
                        Dissemination in Geometric Dynamic Networks -- The Wake Up
                        Dominating Set -- Reconfiguring Massive Particle Swarms with Limited,
                        Global Control -- Polygon-Constrained motion planning problems --
                        Fast Localized Sensor Self-Deployment for Focused Coverage --
                        Minimal Solvers for Unsynchronized TDOA Sensor Network Calibration
                        -- Data-Delivery by Energy-Constrained Mobile Robots --
                        Approximation Bounds for the Minimum k-Storage Problem --
                        Counting in Anonymous Dynamic Networks: An Experimental
                        Perspective -- Station Assignment with Applications to Sensing -- On
                        Local Broadcasting Schedules and CONGEST Algorithms in the SINR
                        Model -- The Effect of Forgetting on the Performance of a Synchronizer
                        -- On the Complexity of Barrier Resilience for Fat Regions -- A

Distributed Approximation Algorithm for Strongly Connected Dominating-Absorbent Sets in Asymmetric Wireless Ad-Hoc Networks -- Uniform Dispersal of Asynchronous Finite-State Mobile Robots in Presence of Holes -- On the Complexity of Fixed-Schedule Neighbourhood Learning in Wireless Ad Hoc Radio Networks -- Optimal Nearest Neighbor Queries in Sensor Networks -- Conflict Graphs and the Capacity of the Mean Power Scheme -- Rendezvous of Two Robots with Visible Bits.

Sommario/riassunto	This book constitutes the proceedings of the 9th International Symposium on Algorithms for Sensor Systems, Wireless Ad Hoc Networks and Autonomous Mobile Entities, ALGOSENSORS 2013, held in Sophia Antipolis, France, in September 2013. The 19 papers presented in this volume were carefully reviewed and selected from 30 submissions. They deal with sensor network algorithms, wireless networks and distributed robotics algorithms; and experimental algorithms.