1. Record Nr. UNISA996465324403316

Titolo	Ad-hoc, mobile, and wireless networks : 7th international conference, ADHOC-NOW 2008, Sophia-Antipolis, France, September 10-12, 2008 : proceedings / / David Coudert, David Simplot-Ryl, Ivan Stojmenovic, editors
Pubbl/distr/stampa	Berlin : , : Springer, , [2008] ©2008
ISBN	3-540-85209-3
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XII, 498 p.)
Collana	Lecture notes in computer science ; ; 5198
Disciplina	621.382
Soggetti	Wireless communication systems Ad hoc networks (Computer networks) Mobile communication systems
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 index.
Nota di contenuto	Local Maximal Matching and Local 2-Approximation for Vertex Cover in UDGs -- Opportunistic Clock Synchronization in a Beacon Enabled Wireless Sensor Network -- Mitigating Reply Implosions in Query-Based Service Discovery Protocols for Mobile Wireless Ad Hoc Networks -- Adaptive MANET Routing: A Case Study -- Self-interference in Multi-hop Wireless Chains: Geometric Analysis and Performance Study -- Energy-Efficient Multi-path Routing in Wireless Sensor Networks -- Approximating Minimum-Power k-Connectivity -- A Secure Cross-Layer Protocol for Multi-hop Wireless Body Area Networks -- Communication in Random Geometric Radio Networks with Positively Correlated Random Faults -- The Mathematics of Routing in Massively Dense Ad-Hoc Networks -- Localized Spanner Construction for Ad Hoc Networks with Variable Transmission Range -- Geographic Routing with Early Obstacles Detection and Avoidance in Dense Wireless Sensor Networks -- DIN: An Ad-Hoc Algorithm to Estimate Distances in Wireless Sensor Networks -- Cheating on the CW and RTS/CTS Mechanisms in Single-Hop IEEE 802.11e Networks -- Adapting BitTorrent to Wireless Ad Hoc Networks -- Optimal Gathering

Algorithms in Multi-hop Radio Tree-Networks ith Interferences -- Distributed Qualitative Localization for Wireless Sensor Networks -- A Lower Bound on the Capacity of Wireless Ad Hoc Networks with Cooperating Nodes -- Attacks on CKK Family of RFID Authentication Protocols -- On Backoff in Fading Wireless Channels -- TSLA: A QoS-Aware On-Demand Routing Protocol for Mobile Ad Hoc Networks -- Query Dissemination with Predictable Reachability and Energy Usage in Sensor Networks -- A Prediction Based Cross-Layer MAC/PHY Interface for CDMA Ad Hoc Networks -- Utility-Based Uplink Power Control in CDMA Wireless Networks with Real-Time Services -- Adaptive Priority Based Distributed Dynamic Channel Assignment for Multi-radio Wireless Mesh Networks -- Ranking and Sorting in Unreliable Single Hop Radio Network -- Distributed Monitoring in Ad Hoc Networks: Conformance and Security Checking -- Improved Distributed Dynamic Power Control for Wireless Mesh Networks -- Identifying the Boundary of a Wireless Sensor Network with a Mobile Sink -- Analysis of IEEE 802.11e Line Topology Scenarios in the Presence of Hidden Nodes -- Interference and Congestion Aware Reservations in Wireless Multi-hop Networks -- Low-Cost and Accurate Intra-flow Contention-Based Admission Control for IEEE 802.11 Ad Hoc Networks -- An Energy-Efficient Query Aggregation Scheme for Wireless Sensor Networks -- Novel Algorithms for the Network Lifetime Problem in Wireless Settings -- Message Quality for Ambient System Security -- Request Satisfaction Problem in Synchronous Radio Networks -- A Novel Mobility Model from a Heterogeneous Military MANET Trace -- Measuring Energy-Time Efficiency of Protocol Performance in Mobile Ad Hoc Networks -- A Framework for Joint Cross-Layer and Node Location Optimization in Mobile Sensor Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Conference on Ad-Hoc, Mobile, and Wireless Networks, ADHOC-NOW 2008, held in Sophia-Antipolis, France, September 2008. The 40 revised full papers and the 15 poster presentations were carefully reviewed and selected from 110 submissions. The papers deal with advances in Ad-Hoc networks, i.e. wireless, self-organizing systems formed by co-operating nodes within communication range of each other that form temporary networks. Their topology is dynamic, decentralized, ever changing and the nodes may move around arbitrarily.