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   Nota di contenuto   Regular Papers -- TCP over Multi-Hop Wireless Networks: The Impact of MAC Level Interactions -- Cooperative Signalling and Its Application in a Power-Controlled MAC Protocol -- Joint Source-Channel-Network Decoding and Blind Estimation of Correlated Sensors Using Concatenated Zigzag Codes -- Challenges for Routing and Search in Dynamic and Self-organizing Networks -- Routing Metric for Interference and Channel Diversity in Multi-Radio Wireless Mesh Networks -- Minimum Delay Data Gathering in Radio Networks -- Asymptotic Delay Analysis and Timeout-Based Admission Control for Ad Hoc Wireless Networks -- Statistical Properties of the Delivery Rate for Single-Sink and Multiple-Sink Sensor Networks -- Application-Driven Analytic Toolbox for WSNs -- A Diffusion Approximation Analysis of Multilevel Ad Hoc and Sensor Networks -- Localized Sensor Self-deployment with Coverage Guarantee in Complex Environment -- An Efficient and Scalable Address Autoconfiguration in Mobile Ad Hoc Networks -- Towards Fair Leader Election in Wireless Networks -- Auction Aggregation Protocols for Wireless Robot-Robot Coordination -- On Minimizing the Maximum Sensor Movement for Barrier Coverage

of a Line Segment -- Mobile Sinks for Information Retrieval from Cluster-Based WSN Islands -- Secure EPC Gen2 Compliant Radio Frequency Identification -- On the Trade-Off between User-Location Privacy and Queried-Location Privacy in Wireless Sensor Networks -- SenSearch: GPS and Witness Assisted Tracking for Delay Tolerant Sensor Networks -- Monte Carlo Localization of Mobile Sensor Networks Using the Position Information of Neighbor Nodes -- Autonomous Transmission Power Adaptation for Multi-Radio Multi-Channel Wireless Mesh Networks -- A Decentralized Approach to Minimum-Energy Broadcasting in Static Ad Hoc Networks -- Heavily Reducing WSNs' Energy Consumption by Employing Hardware-Based Compression -- Optimal and Fair Transmission Rate Allocation Problem in Multi-hop Cellular Networks -- Short Papers -- A Topology Management Routing Protocol for Mobile IP Support of Mobile Ad Hoc Networks -- Implementation and Comparison of AODV and OLSR Routing Protocols in an Ad-Hoc Network over Bluetooth -- Inside-Out OLSR Scalability Analysis -- Proximal Labeling for Oblivious Routing in Wireless Ad Hoc Networks -- Proposal and Evaluation of a Caching Scheme for Ad Hoc Networks -- A Secure Spontaneous Ad-Hoc Network to Share Internet Access -- A Middleware Family for VANETs -- Joint IP Address and Public Key Certificate Trust Model for Mobile Ad Hoc Networks -- A Localized Algorithm for Target Monitoring in Wireless Sensor Networks -- A Wireless Sensor Network Architecture for Homeland Security Application.

Sommario/riassunto	This book constitutes the refereed proceedings of the 8th International Conference on Ad-Hoc, Mobile, and Wireless Networks, ADHOC-NOW 2009, held in Murcia, Spain, in September 2008. The 24 revised full papers and the 10 short papers were carefully reviewed and selected from 92 submissions. The papers deal with advances in Ad-Hoc networks, mesh networks, sensor networks and vehicular networks.