1. **Record Nr.**   UNISA996465534603316

Titolo   Ad-Hoc, Mobile, and Wireless Networks [[electronic resource]] : Third International Conference, ADHOC-NOW 2004, Vancouver, Canada, July 22-24, 2004, Proceedings / / edited by Ioanis Nikolaidis, Michel Barbeau, Evangelos Kranakis

Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2004

ISBN   3-540-28634-9

Edizione   [1st ed. 2004.]

Descrizione fisica   1 online resource (IX, 346 p.)

Collana   Lecture Notes in Computer Science, , 0302-9743 ; ; 3158

Disciplina   621.38456

Soggetti   Electrical engineering
Computer communication systems
Software engineering
Application software
Information storage and retrieval
Computers and civilization
Communications Engineering, Networks
Computer Communication Networks
Software Engineering
Information Systems Applications (incl. Internet)
Information Storage and Retrieval
Computers and Society

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 at the end of each chapters and index.

Nota di contenuto   Contributed Papers -- Approximating the Minimum Number of Maximum Power Users in Ad Hoc Networks -- Multicast Versus Broadcast in a MANET -- Maximal Source Coverage Adaptive Gateway Discovery for Hybrid Ad Hoc Networks -- A Coverage-Preserving Density Control Algorithm for Wireless Sensor Networks -- Improved Approximation Algorithms for Connected Sensor Cover -- Energy-Memory-Security Tradeoffs in Distributed Sensor Networks -- Utilizing the Uncertainty of Intrusion Detection to Strengthen Security for Ad Hoc

Networks -- Weathering the Storm: Managing Redundancy and Security in Ad Hoc Networks -- A Secure Autoconfiguration Protocol for MANET Nodes -- Analysis of the Information Propagation Time Among Mobile Hosts -- Consensus with Unknown Participants or Fundamental Self-Organization -- Connectivity of Wireless Sensor Networks with Constant Density -- Range-Free Ranking in Sensors Networks and Its Applications to Localization -- An Analytic Model Predicting the Optimal Range for Maximizing 1-Hop Broadcast Coverage in Dense Wireless Networks -- Experimental Comparison of Algorithms for Energy-Efficient Multicasting in Ad Hoc Networks -- Improving Distance Based Geographic Location Techniques in Sensor Networks -- A Fair Distributed Solution for Selfish Nodes Problem in Wireless Ad Hoc Networks -- Session-Based Service Discovery and Access Control in Peer-to-Peer Communications -- A Controlled Mobility Protocol for Topology Management of Ad Hoc Networks -- Efficient Data Collection Trees in Sensor Networks with Redundancy Removal -- Cross-Layer Optimization for High Density Sensor Networks: Distributed Passive Routing Decisions -- Adaptive Probing and Communication in Sensor Networks -- Progress Based Localized Power and Cost Aware Routing Algorithms for Ad Hoc and Sensor Wireless Networks -- Application of Eigenspace Analysis Techniques to Ad-Hoc Networks -- A Rate-Adaptive MAC Protocol for Low-Power Ultra-Wide Band Ad-Hoc Networks -- Lifetime-Extended, Power-Aware, Non-position Base Localized Routing in Hybrid Ad-Hoc/Infrastructure Network -- Short Contributed Papers -- Routing Table Dynamics in Mobile Ad-Hoc Networks: A Continuum Model -- Realistic Mobility for Mobile Ad Hoc Network Simulation -- On Timers of Routing Protocols in MANETs -- UAMAC: Unidirectional-Link Aware MAC Protocol for Heterogeneous Ad Hoc Networks.

Sommario/riassunto

The third international workshop on AD-HOC NetwOrks and Wireless was held in the downtown Vancouver facilities of Simon Fraser University. The ?rst ADHOC-NOW was held in 2002 at the Fields Institute in Toronto and the s- ond in 2003 in Montreal. Its purpose is to create a collaborative forum between Mathematicians, ComputerScientistsandEngineersforresearchintheemerging ?eld of ad-hoc networks. The number of submissions exceeded all expectations this year. Over 150 papers were submitted of which 22 regular and 8 short papers were accepted for presentation and inclusion in the conference proceedings. The program comm-teeconsistedofMichelBarbeau,StefanoBasagni,AzzedineBoukerche, Soumaya Cherkaoui, Leszek Gasieniec, Janelle Harms, Jeannette Janssen, Christos K- lamanis, Evangelos Kranakis, Danny Krizanc, Thomas Kunz, Ramiro Liscano, Lata Narayanan, Ioanis Nikolaidis, Stephan Olariu, Jaroslav Opatrny, Pino P- siano, Samuel Pierre, S.S. Ravi, Mazda Salmanian, Sunil Shende, Ladislav S- cho, Martha Steenstrup, Ivan Stojmenovic, Violet Syrotiuk, Ljiljana Trajkovic, Jorge Urrutia, Peter Widmayer, and Kui Wu. We would like to thank the invited speaker Martha Steenstrup for her - search presentation and the program committee for refereeing the submissions. Many thanks to Paul Boone, Jen Hall, Jo-Ann Rockwood, Zheyin Li, and Tao Wan for helping with the workshop logistics. Special thanks go to MITACS (MathematicsofInformationTechnologyandComplexSystems)andPIMS(-ci?c Institute for the Mathematical Sciences) for supporting the workshop ?n- cially, CarletonUniversityandtheUniversityofAlbertaforprovidingcomputing facilities, and Simon Fraser University for its hospitality.