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Altri autori (Persone)	Prasanna KumarV. K
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Algorithmic Problems in Ad Hoc Networks -- Five Challenges in Wide-Area Sensor Systems -- Challenges in Programming Sensor Networks -- Regular Papers -- Distributed Proximity Maintenance in Ad Hoc Mobile Networks -- Adaptive Triangular Deployment Algorithm for Unattended Mobile Sensor Networks -- An Adaptive Blind Algorithm for Energy Balanced Data Propagation in Wireless Sensors Networks -- Sensor Localization in an Obstructed Environment -- Stably Computable Properties of Network

Graphs -- Routing Explicit Side Information for Data Compression in Wireless Sensor Networks -- Database-Centric Programming for Wide-Area Sensor Systems -- Using Clustering Information for Sensor Network Localization -- Macro-programming Wireless Sensor Networks Using Kairos -- Sensor Network Calculus – A Framework for Worst Case Analysis -- Design and Comparison of Lightweight Group Management Strategies in EnviroSuite -- Design of Adaptive Overlays for Multi-scale Communication in Sensor Networks -- Fault-Tolerant Self-organization in Sensor Networks -- TARA: Thermal-Aware Routing Algorithm for Implanted Sensor Networks -- Multiresolutional Filtering of a Class of Dynamic Multiscale System Subject to Colored State Equation Noise -- Design and Analysis of Wave Sensing Scheduling Protocols for Object-Tracking Applications -- Multiple Controlled Mobile Elements (Data Mules) for Data Collection in Sensor Networks -- Analysis of Gradient-Based Routing Protocols in Sensor Networks -- Analysis of Target Detection Performance for Wireless Sensor Networks -- Collaborative Sensing Using Sensors of Uncoordinated Mobility -- Multi-query Optimization for Sensor Networks -- Distributed Energy-Efficient Hierarchical Clustering for Wireless Sensor Networks -- A Distributed Greedy Algorithm for Connected SensorCover in Dense Sensor Networks -- Infrastructure-Establishment from Scratch in Wireless Sensor Networks -- Short Papers -- A Local Facility Location Algorithm for Sensor Networks -- jWebDust : A Java-Based Generic Application Environment for Wireless Sensor Networks -- Invited Posters -- Networked Active Sensing of Structures -- Wireless Technologies for Condition-Based Maintenance (CBM) in Petroleum Plants -- SensorNet Operational Prototypes: Building Wide-Area Interoperable Sensor Networks – Extended Abstract -- Project ExScal -- NetRad: Distributed, Collaborative and Adaptive Sensing of the Atmosphere Calibration and Initial Benchmarks -- Service-Oriented Computing in Sensor Networks -- Wireless Sensors: Oyster Habitat Monitoring in the Bras d'Or Lakes -- Heavy Industry Applications of Sensornets -- Coordinated Static and Mobile Sensing for Environmental Monitoring -- Contributed Posters -- Ayushman: A Wireless Sensor Network Based Health Monitoring Infrastructure and Testbed -- Studying Upper Bounds on Sensor Network Lifetime by Genetic Clustering -- Sensor Network Coverage Restoration -- A Biologically-Inspired Data-Centric Communication Protocol for Sensor Networks -- RAGOBOT: A New Platform for Wireless Mobile Sensor Networks -- Energy Conservation Stratedgy for Sensor Networks -- Meteorological Phenomena Measurement System Based on Embedded System and Wireless Network -- An Architecture Model for Supporting Power Saving Services for Mobile Ad-Hoc Wireless Networks -- Distributed Recovery Units for Demodulation in Wireless Sensor Networks -- System Integration Using Embedded Web Server and Wireless Communication.

Sommario/riassunto

The book constitutes the refereed proceedings of the First International Conference on Distributed Computing in Sensor Systems, DCOSS 2005, held in Marina del Rey, California, USA in June/July 2005. The 26 revised full papers presented were carefully reviewed and selected from 85 submissions; also included are the abstracts of 3 invited talks, 2 short papers, 9 invited poster abstracts, and 10 contributed abstracts. The papers address all current aspects of distributed computing issues in large-scale networked sensor systems, including systematic design techniques and tools, algorithms, and applications.