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| Nota di contenuto | Distributed Coalition Formation in Visual Sensor Networks: A Virtual Vision Approach -- Efficient and Distributed Access Control for Sensor Networks -- Optimizing End to End Routing Performance in Wireless Sensor Networks -- Improving Event-to-Sink Throughput in Wireless Sensor Networks -- Dwarf: Delay-aWAre Robust Forwarding for Energy-Constrained Wireless Sensor Networks -- Localization for |

Anchoritic Sensor Networks -- Mobile Anchor-Free Localization for Wireless Sensor Networks -- Optimal Cluster Association in Two-Tiered Wireless Sensor Networks -- Distributed Facility Location Algorithms for Flexible Configuration of Wireless Sensor Networks -- SNTS: Sensor Network Troubleshooting Suite -- Design and Implementation of a Flexible Location Directory Service for Tiered Sensor Networks -- A Semantics-Based Middleware for Utilizing Heterogeneous Sensor Networks -- A Compilation Framework for Macroprogramming Networked Sensors -- Passive Inspection of Sensor Networks -- Separating the Wheat from the Chaff: Practical Anomaly Detection Schemes in Ecological Applications of Distributed Sensor Networks -- Image Change Detection Using Wireless Sensor Networks -- Near Optimal Sensor Selection in the COlumbia RIvEr (CORIE) Observation Network for Data Assimilation Using Genetic Algorithms -- Data Salmon: A Greedy Mobile Basestation Protocol for Efficient Data Collection in Wireless Sensor Networks -- SDIP3: Structured and Dynamic Information Push and Pull Protocols for Distributed Sensor Networks -- Efficient Computation of Minimum Exposure Paths in a Sensor Network Field -- Energy Efficient Intrusion Detection in Camera Sensor Networks -- Leveraging Redundancy in Sampling-Interpolation Applications for Sensor Networks -- A Fully Polynomial Approximation Algorithm for Collaborative Relaying in Sensor Networks Under Finite Rate Constraints -- A Connectivity Based Partition Approach for Node Scheduling in Sensor Networks -- Energy-Efficient Data Acquisition Using a Distributed and Self-organizing Scheduling Algorithm for Wireless Sensor Networks -- An Adaptive Scheduling Protocol for Multi-scale Sensor Network Architecture -- Minimum-Energy Broadcast with Few Senders.

Sommario/riassunto

The book constitutes the refereed proceedings of the Third International Conference on Distributed Computing in Sensor Systems, DCOSS 2007, held in Sante Fe, NM, USA in June 2007. The 27 revised full papers presented were carefully reviewed and selected from 71 submissions. The papers class in three tracks covering the areas of algorithms, applications, and systems, thus bridging the gap between theory and practice and between the broader field of distributed computing and the specific issues arising in sensor networks and related systems.