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Scholarly Contributions [Data Provided by Scopus]

An efficient approach for mobile asset tracking using contexts

AHPCN 2011 message from the symposium chairs

HPCC 2011 message from the workshop/symposium chairs

Biconnecting a network of mobile robots using virtual angular forces
Computer Communications. Article in Press.

Carrier-based focused coverage formation in wireless sensor and robot networks

LaConf: A localized address autoconfiguration scheme for wireless ad hoc networks

A survey of communication protocols for automatic meter reading applications

Communication protocols for vehicular ad hoc networks

Toward scalable cut vertex and link detection with applications in wireless ad hoc networks

A (4n-9)/3 diagnosis algorithm for generalised cube networks

Message-efficient beaconless georouting with guaranteed delivery in wireless sensor, Ad Hoc, and actuator networks

Taxonomy and challenges of the integration of RFID and wireless sensor networks

A localized algorithm for bi-connectivity of connected mobile robots

Measuring linearity of planar point sets

Depth First Search-based and power-aware geo-routing in ad hoc and sensor wireless networks
Map construction of unknown graphs by multiple agents

Characterization, testing and reconfiguration of faults in mesh networks

Testing analog and mixed-signal circuits with built-in hardware - A new approach

Enhancing peer-to-peer systems through redundancy

Beaconless position based routing with guaranteed delivery for wireless ad-hoc and sensor Networks

Beaconless position-based routing with guaranteed delivery for wireless ad hoc and sensor networks

Localized routing with guaranteed delivery and a realistic physical layer in wireless sensor networks

Progress and location based localized power aware routing for ad hoc and sensor wireless networks

A hybrid randomized protocol for RFID tag identification

Greedy localized routing for maximizing probability of delivery in wireless ad hoc networks with a realistic physical layer

A parallel probabilistic system-level fault diagnosis approach for large multiprocessor systems

Physical layer impact on the design and performance of routing and broadcasting protocols in ad hoc and sensor networks

A parallel genetic algorithm for identifying faults in large diagnosable systems

Kuruvila, J., Nayak, A., Stojmenovic, I.
Hop count optimal position-based packet routing algorithms for ad hoc wireless networks with a realistic physical layer

Stojmenovic, I., Nayak, A., Kuruvila, J.
Design guidelines for routing protocols in ad hoc and sensor networks with a realistic physical layer

Mawlood-Yunis, A., Nayak, A., Nussbaum, D., Santoro, N.
On the performance of distributed search by mobile agents
On characterization of catastrophic faults in two-dimensional VLSI arrays

Reliability of VLSI linear arrays with redundant links

Hybrid-Chord: A peer-to-peer system based on chord

Progress Based Localized Power and Cost Aware Routing Algorithms for Ad Hoc and Sensor Wireless Networks

Characterization of catastrophic faults in two-dimensional reconfigurable systolic arrays with unidirectional links

On enumeration of catastrophic fault patterns

Enumerating catastrophic fault patterns in VLSI arrays with both uni- and bidirectional links

Improved testing scheme for catastrophic fault patterns