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Titolo	Advanced Technologies in Ad Hoc and Sensor Networks : Proceedings of the 7th China Conference on Wireless Sensor Networks / / edited by Xue Wang, Li Cui, Zhongwen Guo
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Collana	Lecture Notes in Electrical Engineering, , 1876-1100 ; ; 295
Disciplina	004.68
Soggetti	Electrical engineering Signal processing Image processing Speech processing systems Computers Optical data processing Communications Engineering, Networks Signal, Image and Speech Processing Information Systems and Communication Service Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Mobile Anchor Assisted Localization in 3D Wireless Sensor Networks with Hilbert Curve -- Research on the human tracking system mixed pyroelectric sensor network with video -- A Novel Skeleton Extraction Algorithm in Sensor Networks -- A Real-time Information Perceived Vehicle Opportunity Route: RIPVO -- Enabling Reliable and Efficient Network Reboot in Wireless Sensor Networks -- Automated Unit Testing Framework for Wireless Sensor Networks -- Performance Evaluation of WSNs-based Link Quality Estimation Metrics for Industrial Environments -- Security evaluation for wireless sensor networks based on attack test and fuzzy comprehensive judgement -- High Accurate Time Synchronization Mechanism for WIA-PA Network -- A Reliable

Routing Algorithm based on Link Quality Evaluation for Wireless Sensor Networks -- A Probabilistic Group Reverse k-Nearest-Neighbor Query in Sensor Networks -- A Study on the Wireless Sensor Networks MAC Protocol for Aircraft Health Monitoring -- A Multi-channel MAC Protocol with High Throughput for Wireless Sensor Networks -- A General Framework on Connected Sensor Cover in Homogenous Dense Sensor Networks -- Partition-based MAC Protocol for Data Gathering in Wireless Sensor Networks -- Small World Based Wireless Sensor Network Power Control Algorithm in Airborne PHM -- Energy efficient multicast routing with delay constraints in bus-based DTNs -- Design and Implementation of an Intelligent Monitoring System Based on ZigBee for the Agricultural Greenhouse -- Does Such a Large-Scale Wireless Sensor Network Work? -- A Peer Selection Algorithm Based on Tolerance and Behavior Capacity in P2P Streaming Media System -- Research of Deployment Strategy of Barrier Coverage for Limited Speed Mobile Target -- ZTDMA: A Multi-zones and Multi-objectives Channel Allocation Protocol Based on TOA Real-Time Geolocation System -- MLOC: A Multiple Service Fusion Self-organizing Geolocation System -- Study on Architecture and Topology of Mobile Underwater Wireless Sensor Networks -- The Design and Simulation Based on Ultrasonic and CSMA/CD alike Tracking Method for Wireless Sensor Networks -- Security Analysis of WIA-PA Protocol -- Design and Implementation of IoT Security System towards Campus Safety -- Distributed T-distribution-Based Intrusion Detection in Wireless Sensor Networks -- Weighted Localization for Under Water Sensor Networks -- The Summarize of Medium Access Control Protocol in RFID -- Wireless sensor network data storage optimization strategy -- Localization for a Hybrid Ocean Wireless Sensor Networks -- Graph Colouring based Clock Synchronization for Clustering Underwater Sensor Networks -- Paying the Way of FPV-ROV with a Function of GSM-GPS Reverse Positioning -- Underwater-image feature matching based on inhomogeneous illumination.-Application Software Model on Network Convergence Mode of Internet of Things.

Sommario/riassunto

Advanced Technologies in Ad Hoc and Sensor Networks collects selected papers from the 7th China Conference on Wireless Sensor Networks (CWSN2013) held in Qingdao, October 17-19, 2013. The book features state-of-the-art studies on Sensor Networks in China with the theme of “Advances in wireless sensor networks of China”. The selected works can help promote development of sensor network technology towards interconnectivity, resource sharing, flexibility and high efficiency. Researchers and engineers in the field of sensor networks can benefit from the book. Xue Wang is a professor at Tsinghua University; Li Cui is a professor at Institute of Computing Technology, Chinese Academy of Sciences; Zhongwen Guo is a professor at Ocean University of China.