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Nota di contenuto	Fundamentals on Internet of Things -- Improving the Scalability of LoRa Networks through Dynamical Parameter Set -- A Weighted Voronoi Diagram Based Self-deployment Algorithm for Heterogeneous Directional Mobile Sensor Network in Three-dimensional Space -- Joint Uplink and Downlink Optimization for Resource Allocation under D2D Communication Networks -- FaLQE: Fluctuation Adaptive Link Quality Estimator for Wireless Sensor Networks -- Rate Adaptive Broadcast in Internet of Things -- An IOT Data Transmission Mechanism based on Cloud-Edge Coordinated Deep Learning -- A Malicious Anchor Detection Algorithm Based on Isolation Forest and Sequential Probability Ratio Testing(SPRT) -- Noisy Data Gathering in Wireless Sensor Networks via Compressed Sensing and Cross Validation --

Fuzzy-K: Energy Efficient Fuzzy Clustering Routing Protocol Based on Cross-technology Communication in Wireless Sensor Network -- An Improved Method of Pending Interest Table in Named Data Networking -- Applications on Internet of Things -- Real-time Bridge Structural Health Condition Evaluation Based on Data Compression -- Task Assignment Algorithm Based on Social Influence in Mobile Crowd Sensing System -- A barrier coverage enhancement algorithm in 3D environment -- Sensor-cloud based precision sprinkler irrigation management system -- Deep Memory Network with Auxiliary Sequences for Chinese Implied Sentiment Analysis -- Intelligent Traffic Light System for High Priority Vehicles -- Personalized Recommendation based on Tag Semantics in the Heterogeneous Information Network -- High-quality Learning Resource Dissemination Based on Opportunistic Networks in Campus Collaborative Learning Context -- IntelliSense, Location and Tracking -- WLAN-based Indoor Intrusion Detection Using Transfer Learning -- A Near-optimal Heterogeneous Task Allocation Scheme for Mobile Crowdsensing -- LNN: A Lightweight Structureless Neural Network Localization Algorithm for Wireless Sensor Networks -- A Fast Offline Database Construction Mechanism for Wi-Fi Fingerprint based Localization Using Ultra-Wideband -- A moving target trajectory tracking method based on CSI -- A CSI-based Indoor Intrusion Detection and Localization Method -- Wi-SD: A human motion recognition method based on CSI amplitude phase mixing information -- A Sensing-Gain Constrained Participant Selection Mechanism for Mobile Crowdsensing -- Infrared Small Target Detection Based on Facet-kernel Filtering Local Contrast measure.

Sommario/riassunto

This book constitutes the refereed proceedings of the 13th China Conference on Wireless Sensor Networks, CWSN 2019, held in Chongqing, China, in October 2019. The 27 full papers were carefully reviewed and selected from 158 submissions. The papers are organized in topical sections on fundamentals on Internet of Things; applications on Internet of Things; and IntelliSense, location and tracking.
