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Note generali	Includes index.
Nota di contenuto	Hypergraph Based Radio Resource Management in 5G Fog Cell -- A Novel Energy Harvesting Aware IEEE 802.11 Power Saving Mechanism -- Interest-aware next POI Recommendation for Mobile Social Networks -- Approximate Minimum-Transmission Broadcasting in Duty-Cycled WSNs -- Robust Network-based Binary-to-vector Encoding for Scalable IoT Binary File Retrieval -- An Open Security-enhanced Compatible OpenFlow Platform -- Hop-constrained Relay Node Placement in Wireless Sensor Networks -- Degrading Detection Performance of Wireless IDSs Through Poisoning Feature Selection -- A Cooperative Jamming Based Secure Uplink Transmission Scheme for Heterogeneous Networks Supporting D2D Communications -- Delay-

constraint Throughput Maximization in UAV-assisted VANETs -- Smart Device Fingerprinting based on Webpage Loading -- Trajectory Prediction for Ocean Vessels Base on K-order Multivariate Markov Chain -- Experimental Study on Deployment of Mobile Edge Computing to Improve Wireless Video Streaming Quality -- An Efficient Privacy-Preserving Data Aggregation Scheme for IoT -- Improving Security and Stability of AODV with Fuzzy Neural Network in VANET -- Exploiting Aerial Heterogeneous Network for Implementing Wireless Flight Recorder -- TOA Estimation Algorithm Based on Noncoherent Detection in IR-UWB System -- Max-Min Fairness Scheme in Wireless Powered Communication Networks with Multi-User Cooperation -- Cancer-Drug Interaction network construction and drug target prediction based on multi-source data -- Enabling Efficient and Fine-grained DNA Similarity Search with Access Control over Encrypted Cloud Data -- Sampling Based delta-Approximate Data Aggregation in Sensor Equipped IoT Networks -- Poisoning Machine Learning Based Wireless IDSs via Stealing Learning Model -- Signal-Selective Time Difference of Arrival Estimation Based on Generalized Cyclic Correntropy in Impulsive Noise Environments -- iKey: An Intelligent Key System Based on Efficient Inclination Angle Sensing Techniques -- Massive MIMO Power Allocation in Millimeter Wave Networks -- A detection-resistant covert timing channel based on Geometric Huffman Coding -- Spark: A Smart Parking Lot Monitoring System -- A Hybrid Model based on Multi-Dimensional Features for Insider Threat Detection -- Throughput Analysis for Energy Harvesting Cognitive Radio Networks with Unslotted Users -- A Crowdsourcing-based Wi-Fi Fingerprinting Mechanism Using Un-Supervised Learning -- Secure and Verifiable Outsourcing of Large-Scale Matrix Inverse Computation -- Household Electrical Load Scheduling Algorithms with Renewable Energy -- An Empirical Study of OAuth-based SSO System on Web -- Turning Legacy IR Devices into Smart IoT Devices -- Solving Data Trading Dilemma with Asymmetric Incomplete Information using Zero-Determinant Strategy -- Data Uploading Mechanism for Internet of Things with Energy Harvesting -- Enabling ZigBee Link Performance Robust Under Cross-Technology Interference -- Quadrant-based Weighted Centroid Algorithm for Localization in Underground Mines -- Exploration of Human Activities Using Sensing Data via Deep Embedded Determination -- Reinforcement Learning for a Novel Mobile Charging Strategy in Wireless Rechargeable Sensor networks -- A Multi-objective Algorithm for Joint Energy Replenishment and Data Collection in Wireless Rechargeable Sensor Networks -- Privacy-preserving Personal Sensitive Data in Crowdsourcing -- A First Step Towards Combating Fake News Over Online Social Media -- Predicting Smartphone App Usage with Recurrent Neural Networks -- A Self-Organizing Base Station Sleeping Strategy in Small Cell Networks Using Local Stable Matching Games -- Dealing with Dynamic-scale of Events: Compressive Data Gathering for Wireless Sensor Network -- Proactive Caching for Transmission Performance in Cooperative Cognitive Radio Networks -- N-Guide: Achieving Efficient Named Data Transmission in Smart Buildings -- Privacy-Preserving Task Assignment in Skill-Aware Spatial Crowdsourcing -- HEVC Lossless Compression Coding based on Hadamard Buttery Transformation -- U-MEC: Energy-efficient Mobile Edge Computing for IoT Applications in Ultra Dense Networks -- Localization of Thyroid Nodules in Ultrasonic Images -- Cost Reduction for Micro-grid Powered Data Center Network with Energy Storage Devices -- An Information Classification Collection Protocol for Large-scale RFID Systems -- An efficient energy-aware probabilistic routing approach for mobile opportunistic networks -- On Association Study of

Scalp EEG Data Channels Under Different Circumstances -- A Privacy-Preserving Networked Hospitality Service with the Bitcoin Blockchain -- Trust-distrust-aware Point-of-Interest Recommendation in Location-based Social Network -- Retrieving the Relative Kernel Dataset from Big Sensory Data for Continuous Query -- KrackCover: A Wireless Security Framework for Covering KRACK Attacks -- Node Deployment of High Altitude Platform Based Ocean Monitoring Sensor Network -- LAMP: Lightweight and Accurate Malicious Access Points Localization via Channel Phase Information -- NASR: NonAuditory Speech Recognition with Motion Sensors in Head-mounted Displays -- Energy Harvesting Based Opportunistic Routing for Mobile Wireless Nanosensor Networks -- Synergistic based Social Incentive Mechanism in Mobile Crowdsensing -- SACP: A Signcryption-based Authentication Scheme with Conditional Privacy Preservation for VANET -- DFTinker: Detecting and Fixing Double-fetch Bugs in an Automated Way -- A Quality-Validation Task Assignment Mechanism in Mobile Crowdsensing Systems -- A Novel Capability-Aware SIC-based Protocol for Wireless Networks -- A Supervised Learning Approach to Link Prediction in Dynamic Networks -- Mining Mobile Users' Interests through Cellular Network Browsing Profiles -- A Gradient-Boosting-Regression based Physical Health Evaluation Model for Running Monitoring by Using a Wearable Smartband System -- The Research of Spam Web Page Detection Method Based on Web Page Differentiation and Concrete Cluster Centers -- Network Control for Large-Scale Container Clusters -- Joint Optimization of Flow Entry Aggregation and Routing Selection in Software Defined Wireless Access Networks -- Loc-Knock: Remotely Locating Survivors in Mine Disasters Using Acoustic Signals -- A Recognition Approach for the Groups with Interactions -- Security Enhancement of Over-the-Air Update for Connected Vehicles -- Resilient SDN-based Communication in Vehicular Network -- Authentication Protocol using Error Correcting Codes and Cyclic Redundancy Check -- Understanding Data Breach: A Visualization Aspect -- A Novel Recommendation-based Trust Inference Model for MANETs.

Sommario/riassunto

This book constitutes the proceedings of the 13th International Conference on Wireless Algorithms, Systems, and Applications, WASA 2018, held in Tianjin, China, in June 2018. The 59 full papers and 18 short papers presented in this book were carefully reviewed and selected from 197 submissions. The papers cover various topics such as cognitive radio networks; wireless sensor networks; cyber-physical systems; distributed and localized algorithm design and analysis; information and coding theory for wireless networks; localization; mobile cloud computing; topology control and coverage; security and privacy; underwater and underground networks; vehicular networks; internet of things; information processing and data management; programmable service interfaces; energy-efficient algorithms; system and protocol design; operating system and middle-ware support; and experimental test-beds, models and case studies.