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Nota di contenuto	Transmission Optimization in Edge Computing -- 1 DOA Estimation Based on Intelligent FMCW Radar With Triangle Array Antenna -- Multi-Modulation Scheme for RFID-based Sensor Networks -- Beam-based Secure Physical Layer Key Generation for mmWave Massive MIMO System -- Weighted Sum Rate Maximization for NOMA-based UAV Networks -- Placement optimization for UAV-Enabled Wireless Power Transfer System -- Activate Cost-effective Mobile Crowd Sensing with Multi-Access Edge Computing -- Performance and Scheduling Optimization in Edge Computing -- A Survey on Security and Performance Optimization of Blockchain -- Performance Analysis of Blockchain-Based Internet of Vehicles Under the DSRC Architecture -- Cache-Aided Multi-Message Private Information Retrieval -- Evaluation of Dynamic Scheduling for Data Collection in Medical Application using Firefly Synchronization Algorithm -- Energy Efficient Scheduling and Time-Slot Sharing for Hyper-Dense D2D Networks Using mmWave -- Adaptive Hybrid MAC Protocol with Novel MOB Backoff Scheme for Massive M2M Communications -- Transmission Optimization in Edge Computing -- Deep Learning -- Transmission and Load Balancing -- Scheduling and Security in 5G -- A MIMO Channel Measurement System Based on Delay -- Lines and Simulations Based on Graph Modling -- A DNN-based WiFi-RSSI Indoor Localization Method in IoT -- A Downlink

Scheduling Algorithm Based on Network Slicing for 5G -- Software Defined Unicast/Multicast Jointed Routing for Real-time Data Distribution -- Interference Coordination Using Cell Cluster for 5G Dynamic TDD System -- CPP-Based Cooperative Defense Against DoS Attacks in Future Non-terrestrial Networks Mobile Edge Network System -- Location-based Multi-Site Coordination Beam Tracking for Vehicle mmWave Communications -- Content-Aware Proactive Caching and Energy-Efficient Design in Clustered Small Cell Networks -- Land cover classification and accuracy evaluation based on object-oriented spatial features of GF-2 -- A Signaling Monitor Scheme of RRC Protocol in 5G Road Tester -- Snoop through Traffic Counters to Detect Black Holes in Segment Routing Networks -- Network Select in 5G Heterogeneous Environment by M-F-U Hybrid Algorithm -- Communication Routing and Control -- Channel Estimation Algorithm Based on Demodulation Reference Signal in 5G -- Constrained Multipath Routing Algorithm Based On Satellite Network -- Container Performance Prediction: Challenges and Solutions -- A Random Access Control Scheme for a NOMA-Enabled LoRa Network -- Fast power spectrum estimation with sparse learning for wideband spectrum sensing -- QoS-Guaranteed A -- P Selection Algorithm in Dense IEEE 802.11 WLANs Deep Learning -- Transmission and Load Balancing.

Sommario/riassunto

This proceedings constitutes the refereed proceedings of the 15th EAI International Conference on Communications and Networking, ChinaCom 2020, held in November 2020 in Shanghai, China. Due to COVID-19 pandemic the conference was held virtually. The 54 papers presented were carefully selected from 143 submissions. The papers are organized in topical sections on Transmission Optimization in Edge Computing; Performance and Scheduling Optimization in Edge Computing; Mobile Edge Network System; Communication Routing and Control; Transmission and Load Balancing; Edge Computing and Distributed Machine Learning; Deep Learning.