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Disciplina	004.6
Soggetti	Computer networks Computer engineering Data structures (Computer science) Information theory Computer science - Mathematics Computer Communication Networks Computer Engineering and Networks Data Structures and Information Theory Mathematics of Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Data Intensive Services based Application (DISA) Workshop -- Research on Airborne Wireless Sensor Network Based on Wi-Fi Technology -- Millimeter Wave Hybrid Precoding Based on Deep Learning -- Open-Set Recognition Algorithm of Signal Modulation Based on Siamese Neural Network -- Accurate Frequency Estimator of Real Sinusoid Based on Maximum Sidelobe Decay -- Transfer Learning Based Algorithm for Service Deployment Under Microservice Architecture -- Scheduling and Transmission Optimization in Edge Computing 6 Joint Opportunistic Satellite Scheduling and Beamforming for Secure Transmission in Cognitive LEO Satellite Terrestrial Networks -- GAN-SNR-Shrinkage-Based Network for Modulation Recognition with Small Training Sample

Size -- Joint Resource Allocation Based on F-OFDM for Integrated Communication and Positioning System -- UAV formation using a dynamic task assignment algorithm with cooperative comb -- Complex System Optimization in Edge Computing -- Research and Implementation of Multi-Agent UAV System Simulation Platform Based on JADE -- A Complex Neural Network Adaptive Beamforming for Multi-Channel Speech Enhancement in Time Domain -- Robust Transmission Design for IRS-Aided MISO Network with Reflection Coefficient Mismatch -- Network Communication Enhancement -- Distributed Deep Reinforcement Learning Based Mode Selection and Resource Allocation for VR Transmission in Edge Networks -- Joint Optimization of D2D-enabled Heterogeneous Network Based on Delay and Reliability Constraints -- Channel Allocation for Medical Extra-WBAN Communications in Hybrid LiFi-WiFi Networks -- Cache Allocation Scheme in Information-Centric Satellite-Terrestrial Integrated Networks -- Signal Processing and Communication Optimization 17 Resource Allocation in Massive Non-Orthogonal Multiple Access System -- HEVC Rate Control Optimization Algorithm Based on Video Characteristics -- Performance Analysis of Radar Communication Shared Signal Based on OFDM -- Joint Power Allocation and Passive Beamforming Design for IRS-Assisted Cell-free Networks -- Deep Learning and Vehicular Communication -- A Beam Tracking Scheme Based on Deep Reinforcement Learning for Multiple Vehicles -- Dynamic Transmission Design via Deep Multi-Task Learning for Supporting Multiple Applications in Vehicular Networks -- ub-Carrier Spacing Detection Algorithm in 5G New Radio Systems -- Handover Mechanism in the Internet of Vehicles Based on Named Data Networking -- Edge Computing and Deep Learning -- Selective Modulation and Cooperative Jamming for Secure Communication in Untrusted Relay Systems -- Deep CSI Feedback for FDD MIMO Systems -- Joint Computation Offloading and Wireless Resource Allocation in Vehicular Edge Computing Networks -- Non-Coherent Receiver Enhancement Based on Sequence Combination -- MCAD-Net: Multi-scale Coordinate Attention Dense Network for Single Image Deraining -- Finite Blocklength and Distributed Machine Learning -- 6G mURLLC Over Cell-free Massive MIMO Systems in the Finite Blocklength Regime. -Cloud-edge Collaboration based Data Mining for Power Distribution Networks -- Robust Sound Event Detection by a Two-stage Network in the presence of Background Noise -- Deep Learning and Network Performance Optimization -- Routing and Resource Allocation for Service Function Chain in Service-Oriented Network -- Service-aware Virtual Network Function Migration Based on Deep Reinforcement Learning -- Dual-channel Speech Enhancement Using Neural Network Adaptive Beamforming -- Edge Computing and Reinforcement Learning -- Fog-based Data Offloading in UWSNs with Discounted RewardsffiA contextual bandit -- Deep Deterministic Policy Gradient Algorithm for Space/Aerial-Assisted Computation Offloading -- Aerial Intelligent Reflecting Surface for Secure MISO Communication Systems.

Sommario/riassunto

This proceedings constitutes the refereed proceedings of the 16th International Conference on Communications and Networking, ChinaCom 2021, held in November 2021. Due to COVID-19 pandemic the conference was held virtually. The 47 full papers and 5 workshop papers presented were carefully selected from 130 submissions. The papers are organized in topical sections on Scheduling and Transmission Optimization in Edge Computing; Complex System Optimization in Edge Computing; Network Communication Enhancement; Signal Processing and Communication Optimization; Deep Learning and Vehicular Communication; Edge Computing and

Deep Learning; Finite Blocklength and Distributed Machine Learning;
Deep Learning and Network Performance Optimization; Edge
Computing and Reinforcement Learning.
