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Detection with Deep Oversampling and Convolutional Autoencoder for Imbalanced Dataset. -- Analyzing Average Age of Information in CRDSA Protocol with Access-Banned Policy. -- VEC system for vehicle-to-vehicle communication Task offloading strategy research. -- Research on Synchronization Technology of Dynamic Environment Signals in the Laser Measurement and Control System. -- A Generic Solution for IoT Ontology Model Based on OCF Standard. -- Joint eMBB-URLLC Resource Allocation Based on Reliability Requirements of Users. -- Achieving mURLLC under Nakagami-m Fading in the CF mMIMO System. -- Scheduling and Transmission Optimization. -- A Novel Codebook Construction and Blind Detection Method for Grant-Free mMTCs. -- Dynamic Resource Allocation for Multi-Beam Satellite Communication Systems. -- Audio-Visual Sound Event Localization and Detection based on CRNN using Depth-wise Separable Convolution. -- Efficient and Adaptive P3FA Forwarding using Popularity-based Egress Clustering. -- A Unicast Packet Forwarding Accelerator Design Based on the RNS Algorithm. -- A Neural Network Assisted FuLMS Algorithm for Active Noise Control System. -- Cryptographic fingerprinting for network devices based on triplet network and fuzzy extractors. -- Edge Computing and Artificial Intelligence Applications. -- Enabling mURLLC Under kappa-mu Shadowed Fading by Cell-Free mMIMO. -- Routing planning for video transmission in Cloud Content Delivery Networks based on Q-learning. -- A Heuristic Inter-Satellite Fault Tolerant Routing Mechanism Based on A-Star Algorithm. -- Multi-Scale and Coordinate Attention Residual Network for Efficient Keyword Spotting. -- An Adaptive Unloading Algorithm of Computing Tasks Based on Edge Cloud Collaboration Scenario for Internet of Things. -- GNSS-based Scene Recognition by Means of Machine Learning. -- Green Task Offloading with Integration of Communication and Computation for LEO Satellite Computing Networks.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 18th EAI International Conference on Principles and Practice of Multi-Agent Systems, ChinaCom 2023, held in Sanya, China, in November 2023. The 34 full papers presented were carefully reviewed and selected from 88 submissions. The conference covers a wide range of topics, such as: advanced networking and optimization strategies; signal processing and communication optimization; deep learning applications and optimization; scheduling and transmission optimization; edge computing and artificial intelligence applications; . |