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Autore	Cai Zhipeng
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Altri autori (Persone)	TakabiDaniel GuoShaoyong ZouYifei
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Nota di contenuto	-- FEKNN: A Wi-Fi Indoor Localization Method Based on Feature Enhancement and KNN. -- Smartphone Indoor Fusion Localization with Trust Region-Based Magnetic Matching. -- Multi-agent Deep Reinforcement Learning-based UAV-enable NOMA Communication Networks Optimization. -- BufferConcede: Conceding Buffer for RoCE Traffic in TCP/RoCE Mix-Flows. -- An Effective Cooperative Jamming-based Secure Transmission Scheme for a Mobile Scenario. -- ID-Gait:

Fine-grained Human Gait State Recognition using Wi-Fi Signal. -- Anti-Packet-Loss Encrypted Traffic Classification via Masked Autoencoder. -- Graph Transformer Hawkes Processes for Causal Structure Learning in Telecom Networks. -- Design of Maritime End-to-End Autoencoder Communication System Based on Compressed Channel Feedback. -- ZigRa: Physical-layer Cross-Technology Communication from ZigBee to LoRa. -- Wireless Portable Dry Electrode Multi-channel sEMG Acquisition System. -- A Double Layer Consensus Optimization Mechanism in DAG-based Blockchain for Carbon Trading. -- Probabilistic Offloading Algorithm for Opportunistic Networks Integrating Node Influence Prediction. -- Secret Sharing Based Key Agreement Protocol for Body Area Networks. -- Active Detection Based NTP Device Attribute Detection. -- Cyber Sentinel: Fortifying Voice Assistant Security with Biometric Template Integration in Neural Networks. -- Traceable Health Data Sharing Based on Blockchain. -- KD-Eye: Lightweight Pupil Segmentation for Eye Tracking on VR Headsets via Knowledge Distillation. -- Meta-RFF: Few-Shot Open-Set Incremental Learning for RF Fingerprint Recognition via Multi-phase Meta Task Adaptation. -- Left Ventricular Hypertrophy Detection Algorithm Using Feature Selection and CNN-LSTM. -- Application with Digital Currencies Trading Using Machine Learning. -- Mobile Crowdsourcing Task Assignment Algorithm Based on ConvNeXt and GRU. -- Inferring the Number of Clusters for Radar Emitters via Threshold Segmentation and Information Fusion. -- Enhancing Student Classroom Behavior Detection Using Improved SlowFast. -- LV-auth: Lip Motion Fusion for Voiceprint Authentication. -- Generative Model-Based Edge-Assisted Object Detection in Bandwidth-Constrained Network. -- Enhancing Generalized Zero-shot Learning with Dynamic Selective Knowledge Distillation. -- BehaMiner: System Behavior Mining for Audit Log based on Graph Learning. -- REHG: A Recommender Engine Based on Heterogeneous Graph. -- Step-by-Step and Tailored Teaching: Dynamic Knowledge Distillation. -- TBA-GNN: A Traffic Behavior Analysis Model with Graph Neural Networks for Malicious Traffic Detection. -- Enhancing Adversarial Robustness in Automatic Modulation Recognition with Dynamical Systems-Inspired Deep Learning Frameworks. -- E-SAGE: Explainability-based Defense Against Backdoor Attacks on Graph Neural Networks. -- Sophon IDS: Mitigating the Effectiveness of GAN-based Adversarial Attacks via Tailored Misinformation. -- An Early Warning Method for Fracturing Accidents Using Joint CNN and LSTM Modeling. -- Defense Strategy in Federated Learning: Unveiling Stealthy Threats and the Similarity Filter Solution. -- FedScale: A Federated Unlearning Method Mimicking Human Forgetting Processes. -- The Client-level GAN-based Data Reconstruction Attack and Defense in Clustered Federated Learning. -- Byzantine-Robust Federated Learning Based on Blockchain. -- FedDue: Optimizing Personalized Federated Learning through Dynamic Update Classifier. -- FedDCT: A Dynamic Cross-Tier Federated Learning Framework in Wireless Networks.

Sommario/riassunto

The three-volume proceedings set LNCS 14997-14999 constitutes the refereed proceedings of the 18th International Conference on Wireless Algorithms, Systems, and Applications, WASA 2024, held in Qindao, China, during June 21–23, 2024. The 98 full papers and 10 short papers included in these proceedings were carefully reviewed and selected from 301 submissions. They focus on cutting-edge ideas, research findings, and innovative solutions in the dynamic intersection of wireless technologies and artificial intelligence (AI) computing systems.