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Nota di contenuto	-- FedBridgeICL: Federated Bridging of Small and Large Models for In-Context Learning. -- Hierarchical DRL-Based Multi-Motor Control with Torque Synchronization in Industrial IoT. -- Double Spending Defense in Consortium Blockchain under Network Partitioning. -- PM-SRCANet: A Privacy-preserving Multimodal Stress Recognition Convolutional Attention Network Model. -- Data Augmentation Based on Neighborhood Effects to Steer User Interests. -- Research on location privacy protection methods in vehicle networking. -- A Fair Rate

Shaping-Based Congestion Control Strategy for Remote Sensing Satellite Networks. -- Resilient Cooperative Computing for Satellite Mobile Edge Computing Using Multi-Agent DRL. -- FedALoRA:Adaptive Local LoRA Aggregation for Personalized Federated Learning in LLM. -- A Lightweight Transformation Method for Privacy Protection in Image Classification. -- CSVA: Complexity-Driven and Semantic-Aware Video Analytics via Edge-Cloud Collaboration. -- Efficient Task Offloading and Resource Allocation in Space-Air Ground-Sea Networks: A MAPPO-based Approach. -- A Fine-grained Resource Allocation Strategy for Industrial TSN-5G Networks. -- A Task Feature Prediction Approach for Adaptive Computation Offloading in VEC. -- Exploiting Viaduct Blocking Effects for Enhanced Spectrum Availability in Cognitive Radio-Assisted Internet of Vehicles. -- Feature Compression with Spatial Reduction and Hyperprior Enhancement for Collaborative Intelligences. -- Black-box universal adversarial attack targeting speaker recognition models. -- GraphFT: A Lightweight Fault-tolerant Framework for Iterative Graph Processing. -- Byzantine-Resilient Differentially Private Federated Learning: A Dual-Phase Group-wise Aggregation Approach. -- Deep Decision Algorithm for DNA Image Storage: Enhancing Accuracy with Edit Distance-Based Quality Assessment. -- DROIT: A Distributed Robustness Optimization Scheme with Local Information for IoT Topology. -- A Hybrid EEG Forecasting Model with Rolling Mapping-Partial Decomposition and LSTM. -- A Joint Learning and Communication Framework for Intrusion Detection in Wireless Networks with High-speed UAVs. -- Adaptive Privacy Defense Against Category Inference Attack in Clustered Federated Learning: Balancing Security and Model Performance. -- An open X-ray spectrometric dataset for deep-learning based pile-up correction. -- KARMA: A Multilevel Decomposition Hybrid Mamba Framework for Multivariate Long-Term Time Series Forecasting. -- Guarding Semantic Communication: A Proactive Security Mechanism Against Eavesdropping. -- DeepTTF: A Deep Tree Traffic Forecast Model Based on Tree Structure. -- TransGER: Transformer-Based CNN-BiGRU Architecture for sEMG Gesture Recognition in Time-Frequency Domain. -- Multi-Layer IRS-Assisted Wireless-Powered Secure Terahertz Communication. -- A Practical Deep Reinforcement Learning-based QoS-Aware Scheduler for 5G Cellular Networks. -- Fast Autonomous Exploration in Complex Environments via the Farthest Cluster Representative and Dynamic Information Gain. -- Lightweight Attention-Based CNN Architecture for CSI Feedback of RIS-Assisted MISO Systems. -- Quantum Routing Design and Implementation for LEO Satellite Networks. -- AICom2. -- Nvwa Patches Up the Block: A Powerful Model for Error Concealment in Panoramic Video Transmission. -- Wi-FiAG: Fine-Grained Abnormal Gait Recognition via CNN-BiGRU with Attention Mechanism from Wi-Fi CSI. -- A Security Sharing Scheme for Multi-Institutional Access Control of Medical Data Based on Blockchain. -- A Secure and Efficient Data Sharing Framework for IoV Using Blockchain and Reputation-Based Incentive Mechanism. -- A PSO-based Method for Finding Approximately Optimal Order for LLL Algorithm. -- Blockchain-based Privacy-preserving Asynchronous Federated Learning. -- Multilayer Context Network: A New Approach for Gait Phase Detection. -- Energy-Constrained Joint Path Planning for Vehicle-UAVs in Task Point Coverage. -- A Blockchain-Assisted Certificateless Authentication Protocol for Internet of Vehicles. -- A Dynamic Frame Slotted ALOHA Based on Q-Learning.

Sommario/riassunto

The 3-volume set LNCS 15686 - 15688 constitutes the proceedings of the 19th International Conference on Wireless Artificial Intelligent

Computing Systems and Applications, WASA 2025, which took place in Tokyo, Japan, during June 24-26, 2025. The 70 full papers and 34 short papers included in the proceedings were carefully reviewed and selected from 282 submissions. The proceedings also contain 10 papers from the AICom2 symposium. WASA is a prestigious annual gathering that serves as a global platform for researchers, academics, and industry professionals to explore and exchange cuttingedge ideas, research findings, and innovative solutions at the dynamic intersection of wireless technologies and artificial intelligence (AI) computing systems.