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Nota di contenuto	-- FedMQ: Multi-grained Quantization for Heterogeneous Federated Learning. -- A Secure and Efficient Privacy Data Aggregation Mechanism. -- A Lightweight Method to Survey with Protecting Privacy yet Maintaining Accuracy. -- A Method for Abnormal Detection and Poisoned Data Recovery in Clustered Federated Learning. -- FedDAGC: Dynamic Adaptive Graph Coarsening for Federated Learning on Non-IID Graphs. -- Defending Against Poisoning Attacks in Federated

Prototype Learning on Non-IID Data. -- Federated Learning for Edge  
 Heterogeneous Object Detection Algorithm. -- CoR-FHD:  
 Communication-Efficient and Robust Federated Hyperdimensional  
 Computing for Activity Recognition. -- Dynamic Staleness Control for  
 Asynchronous Federated Learning in Decentralized Topology. -- Fair  
 and Communication-Efficient Personalized Federated Learning. --  
 Distributed & Personalized Federated Learning in Wireless Ad Hoc  
 Networks. -- DS-TFP: A Distributed and Secure Traffic Flow Prediction  
 Framework Based on Federated Graph Learning. -- Federated Dynamic  
 Graph Fusion Framework for Remaining Useful Life Prediction. --  
 FEAttack: A Fast and Efficient Hard-Label Textual Attack Framework.  
 -- Pleno-Sense: An Adaptive Switching Algorithm towards Robust  
 Respiration Monitoring Across Diverse Motion Scenarios. -- Inter-  
 Technology Backscatter Communication: A Bidirectional Zigbee-BLE  
 System. -- Distributed Dynamic Virtual Network Embedding in  
 Container Networks. -- Automatic Modulation Recognition Using  
 Parallel Feature Extraction Architecture. -- A Message Routing  
 Algorithm Based on the Importance of Node Social Relationships in  
 Opportunistic Mobile Networks. -- Real-time Atmospheric Duct Height  
 Prediction Framework Based on Spatio-temporal to Ensure Maritime  
 Communication Security. -- An Extra Diagnosis Algorithm for  
 Conditional Recursive Match Networks under the PMC Model. --  
 Personalized mmWave Signal Synthesis for Human Sensing. --  
 Remorabook: Privacy-Preserving Mobile Social Networking Based on  
 Remora Computing. -- DSBA: Dynamic Sharded Blockchain  
 Architecture for Industrial Emergency Data Sharing. -- A Novel  
 Merging Framework for Homogeneous and Heterogeneous Blockchain  
 Systems. -- Active Defense Simulation Evaluation of Industrial Control  
 Systems Based on Attack-Defense Graph. -- Hybrid Heterogeneous  
 Wireless Chargers Placement. -- An Efficient Fault-tolerant  
 Communication Scheme in 3-ary n-cube Networks. -- 3D Physical  
 Layer Secure Transmission for UAV-assisted Mobile Communications  
 without Locations of Eavesdroppers. -- Adaptive Self-healing Routing  
 for Heterogeneous Ambient Backscatter Wireless Sensor Networks. --  
 Joint Optimization of Maximum Achievable Rate in SWIPT Systems  
 Assisted by Active STAR-RIS. -- Anonymity on Byzantine-Resilient  
 Decentralized Computing. -- A DRL-Based Edge Intelligent Servo  
 Control with Semi-Closed-Loop Feedbacks in Industrial IoT. --  
 Anomaly Detection under Normality-Shifted IoT Scenario: Filter,  
 Detection, and Adaption. -- DevDet: Detecting IoT Device  
 Impersonation Attacks via Traffic Based Identification. -- Multiscale  
 Adversarial Domain Adaptation Approach for Cloud-Edge Collaborative  
 Fault Diagnosis of Industrial Equipment. -- Detection and Localization  
 of Malicious Nodes in Internet of Things Based on SDN. -- Enhancing  
 Scalability: A Complete Tree Sharding Architecture towards IoT. -- A  
 Cloud-Edge Integrated Water Body Extraction Using Superpixel  
 Segmentation. -- Layer-Aware Microservice Deployment for Edge  
 Computing with Service Reliability Provisioning. -- FusionFlow: Neural  
 Fusion and Compression for Communication Efficient Edge-Cloud  
 Collaborative Computing. -- Toward Low Overhead and Real-time  
 Multi-vehicle Collaborative Perception via V2V Communication.

## 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.

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