1. Record Nr. UNINA9910983085203321

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Titolo	Wireless Artificial Intelligent Computing Systems and Applications : 18th International Conference, WASA 2024, Qindao, China, June 21–23, 2024, Proceedings, Part III / / edited by Zhipeng Cai, Daniel Takabi, Shaoyong Guo, Yifei Zou
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031714702 3031714709
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (331 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14999
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Disciplina	621.384
Soggetti	Wireless communication systems Mobile communication systems Artificial intelligence Application software Computers Computer networks Wireless and Mobile Communication Artificial Intelligence Computer and Information Systems Applications Computing Milieux Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Efficient Online Path Selection and Workload Allocation for In-network Computing in MEC. -- CO-LEACH: Cooperative Data Collection Protocol for Data Heterogeneous WSNs. -- Profinder: Towards Professionals Recognition on Mobile Devices for Users with Cognitive Decline. -- Truthful Double Auction-Based Resource Allocation Mechanisms for Latency-Sensitive Applications in Edge Clouds. -- V2ICooper: Toward Vehicle-to-Infrastructure Cooperative

Perception with Spatiotemporal Asynchronous Fusion. -- Recommendation-Aware Collaborative Edge Caching Strategy in the Internet of Vehicles. -- Towards Robust Internet of Vehicles Security: An Edge Node-Based Machine Learning Framework for Attack Classification. -- Device-edge-cloud Collaborative Video Stream Processing and Scheduling Strategy Based on Deep Reinforcement Learning. -- Consistent Low-latency Scheduling for Microsecond-Scale Tasks in Data Centers. -- Multi-scale Data Reconstruction Based Policy Optimization Algorithm for Skill Learning. -- Joint Optimization Design of Intelligence Reflecting Surface Assisted MU-MISO System Based on Deep Reinforcement Learning. -- Secure Motion Verification for High Altitude Platforms with a Hybrid AOA-TDOA-FDOA Scheme. -- Variational Autoencoder based Automatic Clustering for Multivariate Time Series Anomaly Detection. -- Deep Reinforcement Learning based Economic Dispatch with Cost Constraint in Cyber Physical Energy System. -- InceptionNeXt Network with Relative Position Information for Microexpression Recognition. -- AdMarks: Image Steganography Based on Adversarial Perturbation. -- A Review on Binary Code Analysis Datasets. -- Low-cost Robot Path Planning Mechanism for Escaping from Dead Ends. -- Towards Communication-Efficient Collaborative Perception: Harnessing Channel-Spatial Attention and Knowledge Distillation. -- Improving Anomaly Scene Recognition with Large Vision-Language Models. -- ReSU-Net: State Space Model for 3D Abdominal Multi-organ Segmentation. -- Autocue: Targeted Textual Adversarial Attacks with Adversarial Prompts. -- Universal Sign Language Recognition System Using Gesture Description Generation and Large Language Model. -- A High-precision Generality Method for Chinese Nested Named Entity Recognition. -- Tree of Thought Prompt in Robotic Arm Control.

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.