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| Soggetti | Algorithms Machine learning Computer engineering Computer networks Computer vision Design and Analysis of Algorithms Machine Learning Computer Engineering and Networks Computer Vision |
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| Nota di contenuto | An Uncertainty-aware Auction Mechanism for Federated Learning -- Persistent Sketch A Memory-efficient and Robust Algorithm for Finding Top-k Persistent Flows -- FaCa Fast Aware and Competition-Avoided Balancing for Data Center Network -- Optimizing GNN Inference Processing on Very Long Vector Processor -- GDTM Gaussian Differential Trust Mechanism for Optimal Recommender System -- Privacy-enhanced Dynamic Symmetric Searchable Encryption with Efficient Searches Under Sparse Keywords -- CBA Sketch A Sketching Algorithm Mining Persistent Batches in Data Streams -- Joint optimization of system bandwidth and transmitting power in space-air-ground integrated mobile edge computing -- A Novel Sensor Method for Dietary Detection -- Accelerated Optimization for Simulation of Brian Spiking Neural Network on GPGPUs -- An improved GPU acceleration framework for smoothed particle hydrodynamics -- |

MDCF Multiple Dynamic Cuckoo Filters for LSM-Tree -- A game theory based task offloading scheme for maximizing social welfare in edge computing -- DoS Attack Simulation and Detection in Low-Orbit Satellite Networks -- Malware Detection Method Based On Visualization -- TOC Joint Task Offloading and Computation -- Distributed Task Offloading for IoAV Using DDP-DQN -- A Task Offloading and Resource Allocation Optimization Method in End-Edge-Cloud Orchestrated Computing -- Multi-agent Cooperative Intrusion Detection based on Generative Data Augmentation -- Long Short-Term Deterministic Policy Gradient for Joint Optimization of Computational Offloading and Resource Allocation in MEC -- Query Optimization Mechanism for Blockchain-Based Efficient Data Traceability -- Research on the Evolution Path of Network Hotspot Events Based on the Event Evolutionary Graph -- Task Offloading in UAV-Assisted Vehicular Edge Computing Networks -- Path Planning of Coastal Ships Based on Improved Hybrid A-star -- Data Augmentation Method Based on Partial Noise Diffusion Strategy for One-Class Defect Detection Task -- K Asynchronous Federated Learning with Cosine Similarity Based Aggregation on Non-IID Data -- MPQUIC Transmission Control Strategy for SDN-based Satellite Network -- An energy prediction method for energy harvesting wireless sensor with dynamically adjusting weight factor -- Bayesian optimization for Auto-tuning Convolution Neural Network on GPU.

Sommario/riassunto

The 7-volume set LNCS 14487-14493 constitutes the proceedings of the 23rd International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2023, which took place in Tianjin, China, during October, 2023. The 145 full papers included in this book were carefully reviewed and selected from 439 submissions. ICA3PP covers the many dimensions of parallel algorithms and architectures; encompassing fundamental theoretical approaches; practical experimental projects; and commercial components and systems.
