1. Record Nr.	UNISA996418315903316
Titolo	Algorithms and Architectures for Parallel Processing [[electronic resource]] : 20th International Conference, ICA3PP 2020, New York City, NY, USA, October 2–4, 2020, Proceedings, Part II / / edited by Meikang Qiu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-60239-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XV, 732 p. 401 illus., 204 illus. in color.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12453
Disciplina	004.35
Soggetti	Mathematics—Data processing Computer science Computer engineering Computer networks Computational Mathematics and Numerical Analysis Theory of Computation Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Distributing Data in Real Time Spatial Data Warehouse -- Accelerating Sparse Convolutional Neural Networks Based on Dataflow Architecture -- DAFEE: A Scalable Distributed Automatic Feature Engineering Algorithm for Relational Datasets -- Embedding Augmented Cubes into Grid Networks for Minimum Wirelength -- ELVMC: A predictive energy-aware algorithm for virtual machine consolidation in cloud computing -- Design of a convolutional neural network instruction set based on RISC-V and its microarchitecture implementation -- Optimizing accelerator on FPGA for Deep Convolutional Neural Networks -- HpQC: A new efficient quantum computing simulator -- Outsourced Privacy-Preserving Reduced SVM among Multiple Institutions -- A Distributed Business-aware Storage Execution Environment Towards Large-scale Applications -- QoS-Aware and Fault-Tolerant Replica Placement --

Neural network compression and acceleration by federated pruning -- Scalable Aggregation Service for Satellite Remote Sensing Data -- Edge-assisted Federated Learning: An Empirical Study from Software Decomposition Perspective -- A Dynamic Partitioning Framework for Edge-assisted Cloud Computing -- An OpenMP-based Parallel Execution of Neural Networks Specified in NNEF -- Deep Reinforcement Learning for Intelligent Migration of Fog Services in Smart Cities -- A Novel Clustering-based Filter Pruning Method for Efficient Deep Neural Networks -- Fast Segmentation-based Object Tracking Model for Autonomous Vehicles -- Defending Adversarial Examples in Computer Vision based on Data Augmentation Techniques -- User Recruitment with Budget Redistribution in Edge-aided Mobile Crowdsensing -- Multi-user Service Migration for Mobile Edge Computing Empowered Connected and Autonomous Vehicles -- A Precise Telecom Customer Tariff Promotion Method Based on Multi-route Radial Basis Kernel Fuzzy C-means Clustering -- Clustering by Unified Principal Component Analysis and Fuzzy c-means with Sparsity Constraint -- A Hierarchical-Tree-based Method for Generative Zero-Shot Learning -- Fast Computation of the Exact Number of Magic Series with an Improved Montgomery Multiplication Algorithm -- I am Smartglasses, and I can Assist Your Reading -- CHEAPS2AGA: Bounding Space Usage in Variance-Reduced Stochastic Gradient Descent over Streaming Data and its Asynchronous Parallel Variants -- A Quantum Computer Operating System -- Dynamic Knowledge Graph Completion with Jointly Structural and Textual Dependency -- MEFE: A Multi-fEature Knowledge Fusion and Evaluation method based on BERT -- Comparative Analysis of Three Kinds of Laser SLAM Algorithms -- Aspect-level Sentiment Difference Feature Interaction Matching Model based on Multi-round Decision Mechanism -- Horus: An Interference-aware Resource Manager for Deep Learning Systems -- Attribute Bagging-Based Extreme Learning Machine -- A Semi-Supervised Joint Entity and Relation Extraction Model Based on Tagging Scheme and Information Gain -- Research Progress of Zero-Shot Learning Beyond Computer Vision -- An Optimization of Deep Sensor Fusion Based on Generalized Intersection over Union -- A Hot/Cold Task Partition for Energy-efficient Neural Network Deployment on Heterogeneous Edge Device -- Towards energy efficient architecture for spaceborne Neural Networks computation -- Roda: A Flexible Framework for Real-time On-demand Data Aggregation -- Structured Data Encoder for Neural Networks Based on Gradient Boosting Decision Tree -- Stochastic Model-based Quantitative Analysis of Edge UPF Service Dependability -- QoE Estimation of DASH-based Mobile Video Application using Deep Reinforcement Learning -- Modeling and Analyzing for Data Durability Towards Cloud Storage Services -- CC-MOEA: A Parallel Multi-objective Evolutionary Algorithm for Recommendation Systems -- CS-Dict: Accurate Indoor Localization with CSI Selective Amplitude and Phase based Regularized Dictionary Learning -- Recommendation with Temporal Dynamics Based on Sequence Similarity Search -- A Software Stack for Composable Cloud Robotics System.

| Sommario/riassunto | This three-volume set LNCS 12452, 12453, and 12454 constitutes the proceedings of the 20th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2020, in New York City, NY, USA, in October 2020. The total of 142 full papers and 5 short papers included in this proceedings volumes was carefully reviewed and selected from 495 submissions. ICA3PP is covering the many dimensions of parallel algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of |

computing systems have permeated in every aspects of daily life, the power of computing system has become increasingly critical. This conference provides a forum for academics and practitioners from countries around the world to exchange ideas for improving the efficiency, performance, reliability, security and interoperability of computing systems and applications. ICA3PP 2020 focus on two broad areas of parallel and distributed computing, i.e. architectures, algorithms and networks, and systems and applications.