

1. Record Nr.	UNINA9910410042803321
Titolo	Cloud Computing, Smart Grid and Innovative Frontiers in Telecommunications : 9th EAI International Conference, CloudComp 2019, and 4th EAI International Conference, SmartGIFT 2019, Beijing, China, December 4-5, 2019, and December 21-22, 2019 // edited by Xuyun Zhang, Guanfeng Liu, Meikang Qiu, Wei Xiang, Tao Huang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-48513-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (xxiv, 701 pages)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-8211 ; ; 322
Disciplina	004 004.6
Soggetti	Computer communication systems Data encryption (Computer science) Computers E-commerce Computer Communication Networks Cryptology Computing Milieux e-Commerce/e-business Information Systems and Communication Service
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	MCOPS-SPM: Multi-Constrained Optimized Path Selection Based Spatial Pattern Matching in Social Networks -- A Multi-objective Computation Offloading Method in Multi-cloudlet Environment -- A Survey of QoS Optimization and Energy Saving in Cloud, Edge and IoT -- A Multi-objective Computation Offloading Method for Hybrid Workflow Applications in Mobile Edge Computing -- An introduction and comparison of the application of cloud and fog in IoT -- Distributed cloud monitoring platform based on log insight -- A Self-Adaptive PSO-based Dynamic Scheduling Method on Hierarchical Cloud

Computing -- Application of Bluetooth Low Energy Beacons and Fog Computing for Smarter Environments in Emerging Economies -- Near-Data Prediction Based Speculative Optimization in a Distribution Environment -- Rendering of Three-Dimensional Cloud based on Cloud Computing -- Distributed Stochastic Alternating Direction Method of Multipliers for Big Data Classification -- Personalized Recommendation Algorithm Considering Time Sensitivity -- Cloud-based master data platform for smart manufacturing process -- A semi-supervised classification for hyperspectral image by triple classifiers with data editing and deep learning -- A Survey of Image Super Resolution based on CNN -- Design and Development of an Intelligent Semantic Recommendation System for Websites -- A Lightweight Neural Network Combining Dilated Convolution and Depthwise Separable Convolution -- Cloud-based AGV control system -- A Parallel Drone Image Mosaic Method based on Apache Spark -- CycleSafe: Safe Route Planning for Urban Cyclists -- Prediction of Future Appearances via Convolutional Recurrent Neural Networks Based on Image Time Series in 28 Video Knowledge Discovery Based on Convolutional Time-varying Water Quality Analysis with Semantical Mining Technology -- Data-driven fast real-time flood forecasting model for processing concept drift -- A Survey on Dimension Reduction Algorithms in Big Data Visualization -- Quantum Searchable Encryption for Cloud Data Based on Delegating Quantum Computing -- Quantum solution for the 3-SAT problem based on IBM Q Cloud Grazing Management and Decision System Based on WebGIS -- Application Design of Provincial Meteorological Service -- System Based on National Unified Meteorological Data Environment -- Moving Vehicle Detection Based on Optical Flow Method and Shadow Removal Refactor Business Process models for Efficiency Improvement -- A new model of cotton yield estimation based on AWS -- Intelligent System Security Event Description Method -- Designing a Bit-Based Model to Accelerate Query -- Processing Over Encrypted Databases in Cloud -- Review of Research on Network Flow Watermarking Techniques -- A Multi-Objective Virtual Machine Scheduling Algorithm in Fault Tolerance aware Cloud Environments -- PSVM: Quantitative Analysis Method of Intelligent System Risk in Independent Host Environment -- Coordinated Placement of Meteorological Workflows and Data with Privacy Conflict Protection -- Method and Application of Homomorphic Subtraction of The Paillier Cryptosystem in Secure Multi-party -- Computational Geometry -- A Secure Data Access Control Scheme Without Bilinear Pairing in Edge Computing -- Simulations on the energy consumption of WRF on meteorological Cloud -- A Survey of Information Intelligent System Security Risk Assessment Models, Standards and Methods -- Smart Grid and Innovative Frontiers in Telecommunications -- Multiple Time Blocks Energy Harvesting Relay Optimizing with Time-switching Structure and Decoding Cost -- Spectrum Sharing in Cognitive Radio Enabled Smart Grid: A Survey -- Colorization of Characters Based on the Generative Adversarial Network -- Enhanced LSTM Model for Short-Term Load Forecasting in Smart Grids -- Time -switching Energy Harvesting Relay Optimizing Considering Decoding cost -- A Resource Allocation Scheme for 5G C-RAN Based on Improved Adaptive Genetic Algorithm -- A Novel Adaptive Multiple-access Scheme for Wireless Chip Area Network in the Smart Grid System.

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## Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Conference on Cloud Computing, CloudComp 2019, and the 4th International Conference on Smart Grid and Innovative Frontiers in Telecommunications, SmartGIFT 2019, both held in Beijing, China, in December 2019. The 55 full papers of both conferences were selected

from 113 submissions. CloudComp 2019 presents recent advances and experiences in clouds, cloud computing and related ecosystems and business support. The papers are grouped thematically in tracks on cloud architecture and scheduling; cloud-based data analytics; cloud applications; and cloud security and privacy. SmartGIFT 2019 focus on all aspects of smart grids and telecommunications, broadly understood as the renewable generation and distributed energy resources integration, computational intelligence applications, information and communication technologies.

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