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Soggetti	Numerical analysis Computer engineering Computer networks Artificial intelligence Computer science - Mathematics Coding theory Information theory Numerical Analysis Computer Engineering and Networks Artificial Intelligence Mathematics of Computing Coding and Information Theory Computer Communication Networks
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	A Secure and Trustable Access Method of Power Business in 5G Networks -- 5G Network Slice Based Edge Access Approach with Communication Quality Assurance A Lightweight Network Edge Service-aware Method for Edge Network -- A Load Balancing-based Real-Time Traffic Redirection Method for Edge Network -- A Network Energy Efficiency Measurement Method for Cloud-Edge Communication Network -- A Traffic Prediction Algorithm Based on Converged

Networks of LTE and Low Power Wide Arealnetworks -- Analysis on the Current Situation of Network Media Literacy of the Post-90s University Students -- Fast preconditioned scheme for the fractional complex Ginzburg-Landau equation -- The Mechanism and Example Analysis of Restriction on the Diffusion Effect of "Development Pole" in Gelao Ethnic Group Areas in Northern Guizhou -- Debt Risk Research on PPP Model Based on VAR (Value at Risk) Model -- A method of Space-Air-Ground Integrated Network for air mobile target -- An Adaptive Algorithm Based on Adaboost for Mimicry Multimode Decision A modified Gauss-Seidel iteration method for solving absolute value equations -- Modified LPMHSS method for a class of complex symmetric linear systems -- Rational Lanczos method for the symmetric positive semidefinite Toeplitz matrix function -- A Bi-directional Residual Network for Image Expression Recognition A Traffic Feature Analysis Approach for Converged Networks of LTE and Broadband Carrier Wireless Communications -- An IoV Route Planning Service Based on LEO Constellation Satellite A Network Traffic Measurement Approach in Cloud-Edge SDN Network -- Comparative Analysis of Performance of Network Intrusion Detection System Exponential stability of a delayed general BAM neural networks via non-reduced order approach -- Simulation study on Chinese stock market development based on system dynamics model -- Accelerating method of evolutionary ensemble learning based on Gaussian random field -- Approximation algorithms for the balanced optimization splicing problem in undirected graph -- The Influence of Employees' Financial Equity Perception on Organizational Effectiveness in NPOs -- Empirical Analysis of Supply Chain Finance Innovation Model Based on Blockchain Technology Bayesian analysis for multivariate skew-normal simplex mixed-effects models with heterogeneous dispersion -- Multi-Radio Relay Frequency Hopping Based on USRP Platforms Progressive iterative approximation of SOR for non-uniform cubic B-spline curve and surface interpolation -- FLSim: An Extensible and Reusable Simulation Framework for Federated Learning -- Algorithm for Double-Layer Structure Multi-Label Classification with Optimal Sequence Based on Attention Mechanism Optical solitons and their numerical simulations of coupled nonlinear Schrodinger's equation in a cascaded system -- Design of a novel T-type Power Divider feed network -- A Dynamic Acceleration Method for Remote Sensing Image Processing Based on CUDA -- Simulation Study on the Development of Chinese Bank Industry Based on System Dynamics -- A Many-objective Squirrel Hybrid Optimization Algorithm: MaSHOA Effective Handover Process for Reliable Video Streaming over Software-Defined Wireless Networking -- Observation period length in channel selection Learning parameter analysis for machine reading comprehension -- Research on The Path to Brand-building of Characteristic Agricultural Products - An Empirical Analysis Based on Southwest China -- A Simulation-based Optimization Framework for Online Adaptation of Networks -- Accelerating Spectrum Sharing Algorithms for Cognitive Radio Transmitters in a Momentum Q-Learning Approach Artificial Fish Swarm Algorithm-Based Sparse System Estimation -- An Improved Incremental Extreme Learning Machine Based on Dynamic Adaptive Search Strategy -- Block-diagonal and anti-block-diagonal splitting iteration method for absolute value equation -- Engineering Semantic Composability Based on Ontological Metamodelling -- An empirical Study on the Impact of Technology Innovation on New Urbanization in case of Guangdong Province -- Developing an Interactive Web-based Programming Platform for Learning Computer Networking Protocols -- Weights optimization method of differential evolution based on

Sommario/riassunto

This two-volume set constitutes the refereed post-conference proceedings of the 12th International Conference on Simulation Tools and Techniques, SIMUTools 2020, held in Guiyang, China, in August 2020. Due to COVID-19 pandemic the conference was held virtually. The 125 revised full papers were carefully selected from 354 submissions. The papers focus on simulation methods, simulation techniques, simulation software, simulation performance, modeling formalisms, simulation verification and widely used frameworks.