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	Soggetti	Computer simulation
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	Nota di contenuto	Bisecting K-Means Based Fingerprint Indoor Localization -- MTAPS: Indoor Location Algorithm Based on Multiple Times AP Selection -- Formalizing Model Transformations within MDE Congestion Control for RTP Media: a Comparison on Simulated Environment -- Network Traffic Model with Multi-fractal Discrete Wavelet -- Transform in Power Telecommunication Access Networks -- Smartphone-Based Lifelogging: An Investigation of Data Volume Generation Strength of Smartphone Sensors -- A Relay Station Deployment Algorithm for Smart Grid Based On Delay Optimization -- A Collection Node Planning Algorithm of Power Wireless Private Network in Smart Grid -- A SDN-based Network Traffic Estimating Algorithm in Power

Telecommunication Network -- A Routing Algorithm Based on Weighted Graph for Power Distribution Network -- An Adaptive Measurement Method for Flow Traffic in Software Defined Networking -- A Linear Regression-Based Prediction Method to Traffic Flow for Low-Power WAN with Smart Electric Power Allocations -- Dynamic Computing Resource Adjustment in Edge Computing Satellite Networks -- A Security Traffic Measurement Approach in SDN-based Internet of Things -- An Intelligent Relay Node Selection Scheme in Space-air-ground Integrated Networks -- An Semi-Formal Co-Verification Approach for High-Assurance CPS -- Analyzing on User Behavior and User Experience of Social Network Services -- ITU TWDM-PON Module for ns-3 Network Simulator -- Research on Implementation Scheme of Power IMS Network Based on NFV Architecture -- A Data Fusion Algorithm and Simulation based on TQMM 21 Design of Low-power USB audio system based on LPM Protocol -- A hybrid virtualization approach to emulate heterogeneous network nodes -- A New MCMC Particle Filter Resampling Algorithm Based on Minimizing Sampling Variance -- ExploreBP: A simulation tool for mobile browser energy optimization -- Design and Simulation of a Deterministic Quantum Secure Direct Communication and Authentication Protocol based on three-particle asymmetric entangled state -- A multi-objective Artificial Flora Optimization Algorithm -- Design and Simulation of A Quantum Key Distribution Protocol Based on Single-Particle and EPR Entanglement -- A Quantum Key Distribution Protocol Based on the EPR Pairs and its Simulation -- An Adaptive threshold Algorithm for Offline Uyghur Handwritten Text Line Segmentation -- Channel Equalization Secret Communication Method Based on Time Reversal -- Research on Energy Efficiency in Wireless Powered Communication Network with User Cooperative Relay -- Video Monitoring System Application to Urban Traffic Intersection -- A Test System for Vehicular Voice Cloud Service -- Security Analysis on Gait-based Biometric Fuzzy Commitment Scheme Using Smartphone -- Particle swarm optimization algorithm based on natural selection and simulated annealing for PID controller parameters -- HSS-iteration-based iterative interpolation of curves and surfaces with NTP bases -- Attention-based hybrid model for Automatic Short Answer Scoring -- Performance Evaluation of a Unified IEEE 802.11 DCF Model in NS-3 -- An Improved Ant Colony-based Alternate Path Selection Method for Wide-area Protection System in Optical Communication Network of Power Grid -- Parameter Optimization Strategy of Fuzzy Petri Net Utilizing Hybrid GA-SFLA Algorithm -- Joint Transmit Power Allocation and Power Splitting for SWIPT System with Time Reversal -- Development of an effective method of tariff formation for rural areas: the case of Russian Federation -- Study the Preprocessing Effect on RNN based Online Uyghur Handwriting Word Recognition -- Point target detection based on quantum genetic algorithm with morphological contrast operation -- Analysis of phonemes and tones confusion rules obtained by ASR -- Network Recovery for Large-Scale Failures in Smart Grid by Simulation -- Matrix-variate Restricted Boltzmann Machine Classification Model -- The adaptive PID controlling algorithm using Asynchronous Advantage Actor-Critic Learning Method -- Network Emulation as a Service (NEaaS): towards a cloud-based network emulation platform -- A Study of RNN based Online Handwritten Uyghur Word Recognition Using Different Word Transcriptions -- Computer generated hologram-based image cryptosystem with multiple chaotic systems -- Study and Hardware-in-the-loop Simulation of Flight Mach Control System Based on Fuzzy Control Theory -- Spatial Propagation Measurement and Analysis of Millimeter-Wave Channels at 28 GHz -- Study and

implementation of minority mobile application recommendation software -- DSWIPT Scheme for Cooperative Transmission in Downlink NOMA System -- Large-Scale Fading Measurement and Comparison for O2I Channels at Three Frequencies -- Simulated Traffic Sign Classification Using Cross-Connected Convolution Neural Networks Based on Compressive Sensing Domain -- Comparative Study of Evolutionary Algorithms for Protein-ligand Docking Problem on the AutoDock -- Image mosaic based on improved logarithmic polar coordinate transformation and Ransac algorithm -- "Smart Entity" – How to build DEVS models from large amount of data and small amount of knowledge ? -- Optimal Scheduling User Number in Massive MIMO with QoS Requirement -- An Improved Exhausted-Food-Sources-Identification Mechanism for the Artificial Bee Colony algorithm -- LSTM Network Based Traffic Flow Prediction for Cellular Networks -- Network Security Situation Prediction based on Im-proved WGAN.

| Sommario/riassunto | This volume constitutes the refereed post-conference proceedings of the 11th International Conference on Simulation Tools and Techniques, SIMUTools 2019, held in Chengdu, China, in August 2019. The 97 revised full papers were carefully selected from 156 submissions. The papers focus on simulation methods, simulation techniques, simulation software, simulation performance, modeling formalisms, simulation verification and widely used frameworks. |