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| Soggetti | Computer communication systems Mathematical statistics Application software Artificial intelligence Computer security Optical data processing Computer Communication Networks Probability and Statistics in Computer Science Information Systems Applications (incl. Internet) Artificial Intelligence Systems and Data Security Image Processing and Computer Vision |
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| Nota di contenuto | Computer and Communication Networks and Technologies -- Modeling of a Two-Way Communication System with a Special Searching for Customers -- Accurate and interval estimates of the probability of network service availability for communication networks -- SDN Load prediction algorithm based on artificial intelligence -- QoS based method for energy optimization in ZigBee Wireless Sensor Networks -- |

A Problem of Optimal Location of Given Set of Base Stations in Wireless Networks with Linear Topology -- Optimal Quantization Methods in Problems of Visual Data Multichannel Wavelet-Compression -- The Use of Intra Prediction Method in Wavelet-Based Video Coding Systems -- Performance of transport connection with selective failure mode when competing for throughput of data transmission path -- Adaptation of the Frame Synchronization Algorithm of the Second Generation Satellite Broadcasting Standard DVB-S2 for Communication System -- The performance evaluation of IEEE 802.11 for different sized DCF WLAN under unsaturated condition -- Energy Estimation for VANET Performance Based Robust Neural Networks Learning -- Mathematical Model of Four-Dimensional Parametric Systems Based On Block Diagonal Matrix With 2×2 Blocks -- PD-NOMA power coefficients calculation while using QAM signals -- Distributed data compression algorithm for low-power wide-area networks -- PPPoE - Adaptive data link protocols for high-speed packet networks -- Model Of Optical Non-Blocking Information Processing System For Next-Generation Telecommunication Networks -- Accurate Mathematical Model Of Two-Dimensional Parametric Systems Based On 2×2 Matrix -- Analytical Modeling of Distributed Systems -- On a queueing-inventory problem in passenger transport system -- Queueing Inventory Model for Crowdsourcing -- An MMAP/M/ Queueing System with an Oer Zone working in a Random Environment -- Transient analysis of a repairable single server queue with working vacations and system disasters -- A queueing inventory system with search and match-an organ transplantation model -- Mathematical Models of the Queueing Systems with MMPP Flow and Instantaneous Feedback -- On estimation of Weibull-tail and log-Weibull-tail distributions for modeling end-to-end delay -- Asymptotic Analysis of the Output Process in Retrial Queue with Markov-Modulated Poisson Input under Low Rate of Retrials Condition -- An upper bound of the large deviation probability in multi-server constant retrial rate system -- Method of Moments for the Estimation of the Probability Density Parameters in Correlated Semi-synchronous Event Flow of the Second Order -- Resource Queueing System with the Requirements Copying at the Second Phase -- Resource Queueing System with Dual Requests and Their Parallel Service -- Organization of a reserved inter-machine exchange with general and separate queues distributed over computer nodes for access to aggregated channels -- Solution of Lindley integral equation for correlated trac -- On verification of stability of multi-orbit system with general retrials: simulation approach -- Reliability Analysis of Systems with Hybrid Recovery and Imperfect Built-in-Test -- Random graph node classification by extremal index of PageRank -- Group Polling Method Upon the Independent Activity of Sensors in Unsynchronized Wireless Monitoring Networks -- On implied volatility surface construction for stochastic investment models -- Negative Binomial Approximation in Retrial Queue M/M/1 with Collisions and Impatient Calls -- Distributed Systems Applications -- On Physical Web for social networks -- The general renovation as the active queue management mechanism. Some aspects and results -- Human-Computer Mobile Distributed Computing for Time Series Forecasting -- Investigation of a hybrid sensor- and computational network for numerical weather prediction calculations -- Methods for processing of Heterogeneous Data in IoT based Systems -- Calculation of Probability Density Distribution of Ultracold Atoms and Molecules in Waveguide-like Traps -- Mathematical aspects of stable state estimation of the radio equipment in terms of communication channel functioning -- Approach to the intellectual monitoring of the technical condition of

difficult dynamic objects on the basis of the systems of a polling -- Algorithm for embedding digital watermarks in wireless sensor networks data with control of embedding distortions -- Investigation of Video Trac Transmission via Augmented Reality Devices in a Mesh Network -- Digital Object Architecture as an Approach to Identifying Internet of Things Devices -- Potential Applications of Smart Contract Technology in Corporate Business Processes -- Heterogeneous network security effective monitoring method -- Development of models and methods for using heterogeneous gateways in 5G/IMT-2020 network infrastructure -- Reliability evaluation of a hexacopter-based flight module of a tethered unmanned high-altitude platform.

Sommario/riassunto

This book constitutes the refereed proceedings of the 22nd International Conference on Distributed and Computer and Communication Networks, DCCN 2019, held in Moscow, Russia, in September 2019. The 50 full papers and 2 short papers were carefully reviewed and selected from 174 submissions. The papers cover the following topics: Computer and Communication Networks and Technologies, Analytical Modeling of Distributed Systems, and Distributed Systems Applications. .
