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Soggetti	Computer networks Application software Computer science - Mathematics Artificial intelligence Computers, Special purpose Computer systems Computer Communication Networks Computer and Information Systems Applications Mathematics of Computing Artificial Intelligence Special Purpose and Application-Based Systems Computer System Implementation
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Distributed Systems Applications -- A Survey of the Implementations of Model Inversion Attacks -- Multidimensional information system metadata description using the "Data vault" methodology -- Application of convolutional neural networks for image detection and recognition based on a self-written generator -- Estimating a polyhedron method informativeness in the problem of checking the automaton by the statistical properties of the input and output

sequences -- Visual Question Answering for Response Synthesis Based on Spatial Actions -- Application of the piecewise linear approximation method in a hardware accelerators of a neural networks based on a reconfigurable computing environments -- Boosting Adversarial Training in Adversarial Machine Learning -- Computer and Communication Networks -- On effectiveness of the adversarial attacks on the computer systems of biomedical images classification -- MultipathTransmission of Heterogeneous Traffic in Acceptable Delays with Packet Replication and Destruction of Expired Replicas in the Nodes that Make Up the Path -- The Probability of Timely Redundant Service in a Two-level Cluster of a Flow of Requests that is Heterogeneous in Functionality and Allowable Delays -- Characterizing the Effects of Base Station Variable Capacity on 5G Network Slicing Performance -- On Waiting Time Maxima in Queues with Exponential-Pareto Service Times -- Simulation of multimedia traffic delivery in WLAN -- A Model for 5G Millimeter Wave Service Rate Abstraction -- Cybersecurity System with State Observer and K-Means Clustering Machine Learning Model -- Collision Provenance using Decentralized Ledger -- A First-Priority Set of Telepresence Services and a Model Network for Research and Education -- Analytical Modeling of Distributed Systems -- Computational analysis of a service system with non-replenish queue -- Neuro-Fuzzy Model Based on Multidimensional Membership Function -- Controlled Markov Queueing Systems under Uncertainty -- Fuzzy Classification Model Based on Genetic Algorithm with Practical Example -- Preparing traffic to analyze the dynamics of its states by method of partial correlations -- On approximation of the time-probabilistic measures of a resource loss system with the waiting buffer -- A unified regenerative stability analysis of some non-conventional queueing models -- Speed-up simulation for reliability analysis of Wiener degradation process with random failure threshold -- Optimization and Stability of Some Discrete-Time Risk Models -- The Markov Model of the Needham-Schroeder Protocol -- Analysis of functioning photonic switches in next-generation networks using queueing theory and simulation modeling -- Two-Way Communication Retrial Queue with Markov Modulated Poisson Input and MultipleTypes of Outgoing Calls.

Sommario/riassunto

This book constitutes the refereed proceedings of the 25th International Conference on Distributed Computer and Communication Networks, DCCN 2022, held in Moscow, Russia, in September 2022. The 27 full papers and 2 short papers included in this book were carefully reviewed and selected from 130 submissions. They were organized in topical sections as follows: Distributed Systems Applications, Computer and Communication Networks, Analytical Modeling of Distributed Systems.