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Note generali	Includes index.
Nota di contenuto	Computer and Communication Networks -- Power domain NOMA without SIC in Downlink CSS-based LoRa Networks -- Simulation-based Analysis of Mobility Models for Wireless UAV-to-X Networks -- Structures and deployments of a flying network using tethered multicopters for emergencies -- Multipath Redundant Network Protocol without Delivery Guarantee -- Modelling Multi-connectivity in 5G NR Systems with Mixed Unicast and Multicast Traffic -- IoT traffic prediction with Neural networks learning based on SDN infrastructure -- Transmission latency analysis in Cloud-RAN -- Resource Queuing System with Preemptive Priority for Performance Analysis of 5G NR Systems -- Redundant Servicing of a Flow of Heterogeneous Requests Critical to the Total Waiting Time During the Multi-path Passage of a Sequence of Info-communication Nodes -- Agriculture management based on LoRa Edge Computing System -- Dynamic Algorithm for Building Future Networks Based on Intelligent Core Network -- Methods and Models for Using Heterogeneous Gateways in the Mesh LPWANs -- Research on Using the AODV Protocol for A LoRa Mesh Network -- On the Algebraic theory of Loop Free Routing -- Queueing system with two unreliable servers and backup server as a model of hybrid communication system -- Flexible Random Early Detection Algorithm for Queue Management in Routers -- Architecture and

functionality of the collective operations subnet of the Angara interconnect -- The Model of WBAN Data Acquisition Network Based on UFP -- Development and Investigation of model network IMT2020 with the use of MEC and Voice Assistant technologies -- On overall measure of non-classicality of N-level quantum system and its universality in the large N limit -- Analytical Modeling of Distributed Systems -- Queues with Markovian Arrivals, Phase type Services, Breakdowns, and Repairs -- Statistical Analysis of the End-to-End Delay of Packet Transfers in a Peer-to-Peer Network -- Multidimensional Central Limit Theorem of the Multiclass M/M/1/1 Retrial Queue -- A Retrial Queueing System in which Server Searches to Accumulate Customers for Optimal Bulk Serving -- Approximate Analysis of the Queueing System with Heterogeneous Servers and N-Policy -- Analysis of a Resource-Based Queue with the Parallel Service and Renewal Arrivals -- Two-Phase Resource Queueing System with Requests Duplication and Renewal Arrival Process -- Deep neural networks for emotion recognition -- A simulation approach to reliability assessment of a redundant system with arbitrary input distributions -- Problem of overbooking for a case of a random environment existence -- Optimization of signals processing in nodes of sensor network with energy harvesting and expenditure for admission and transmission -- The Analysis of Resource Sharing for Heterogeneous Traffic Streams over 3GPP LTE with NB-IoT Functionality -- Performance Measures of Emergency Services in Case of Overload -- Evaluation and prediction of an optimal control in a processor sharing queueing system with heterogeneous servers -- On exponential convergence of dynamic queueing network and its applications -- Leader Nodes in Communities for Information Spreading -- Sensitivity Analysis of a k-out-of-n:F System Characteristics to Shapes of Input Distribution -- Prioritized Service of URLLC Traffic in Industrial Deployments of 5G NR Systems -- Milestone Developments in Quantum Information and No-Go Theorems -- Practical application of the multi-model approach in the study of complex systems -- Three Approaches in the Study of Recurrent Markovian and Semi-Markovian Processes -- The remaining busy time in a retrial system with unreliable servers -- Diffusion Approximation for Multiserver Retrial Queue with Two-Way Communication -- On A Single Server Queueing Inventory System -- Rare-event simulation for the hitting time of Gaussian processes -- A Queueing Inventory System with Two Channels of Service -- The Analytical Model of Six-Dimensional Linear Dynamic Systems With Arbitrary Piecewise-Constant Parameters -- Evaluation of the end-to-end Delay of a Multiphase Queueing System Using Artificial Neural Networks -- Model of Navigation and Control System of an Airborne Mobile Station -- Modeling D2D-enhanced IoT connectivity: An approach through the simplified analytical framework -- Optimization of SPTA acquisition for a distributed communication network of weather stations -- Distributed Systems Applications -- Crystal-Ball and Magic Wand Combined: Predicting Situations and Making them Happen -- Architectural ML Framework for IoT Services Delivery Based on Microservices -- Applying Machine Learning to Data from a Structured Database in a Research Institute to Support Decision Making -- Generation of metadata for network control.

Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the 23rd International Conference on Distributed and Computer and Communication Networks, DCCN 2020, held in Moscow, Russia, in September 2020. The 54 revised full papers and 1 revised short paper were carefully reviewed and selected from 167 submissions. The papers cover the following topics: computer and communication

networks; analytical modeling of distributed systems; and distributed systems applications.
