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Disciplina	004.6782 004.6
Soggetti	Computer networks Coding theory Information theory Software engineering Compilers (Computer programs) Operating systems (Computers) Artificial intelligence Computer Communication Networks Coding and Information Theory Software Engineering Compilers and Interpreters Operating Systems Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Distributed System -- A Snapshot-Based Introduction to the Linearizability Hierarchy -- Varda : An architectural framework for compositional distributed programming -- Recycling Memory in Recoverable Mutex Locks -- PoWacle: a proof-of-work based decentralized blockchain oracle -- FEBR: Expert-Based Recommendation Framework for beneficial and personalized content --

Bird@Edge: Bird Species Recognition at the Edge -- Solvability of Byzantine Fault-Tolerant Causal Ordering Problems -- Relaxed Reliable Broadcast for Decentralized Trust -- A Self-Stabilizing Low Stretch Spanning Tree Construction -- Analysis of Interactions Among Infrastructure Provider Fronting Content Provider -- Networking -- An Eventually Perfect Failure Detector on ADD Channels Using Clustering -- Making CSMA Collision-Free and Stable Using Collaborative Indexing -- ProgDTN: Programmable Disruption-tolerant Networking -- Distributed oracle for estimating global network delay with known error bounds -- Mechanical energy minimization UAV-mounted base station Path plan for public safety communication -- Dynamics analysis for a duopoly game with bounded rationality in cognitive radio network -- IoT based Prediction of Active and Passive Earth Pressure Coefficients using Artificial Neural Networks -- Verification -- Applying Custom Patterns in Semantic Equality Analysis -- Verifying Reachability for TSO Programs with Dynamic Thread Creation -- Security -- Chromatic and spatial analysis of one-pixel attacks against an image classifier.

Sommario/riassunto

This book constitutes the revised selected papers of the 10th International Conference on Networked Systems, NETYS 2022, held as virtual event, in May 17–19, 2022. The conference was held virtually due to the COVID-19 crisis. The 18 full papers and 2 short papers presented were carefully reviewed and selected from 100 submissions. The scope of the conference covers all aspects related to the design and the development of these systems, including multi-core architectures, Concurrent and distributed algorithms, parallel/concurrent/distributed programming, distributed databases, big data applications and systems, cloud systems, networks, security, and formal verification. They were organized in topical sections as follows: Distributed System; Networking; Verification; Security.
