

1. Record Nr.	UNINA9910349281303321
Titolo	Networked Systems : 7th International Conference, NETYS 2019, Marrakech, Morocco, June 19–21, 2019, Revised Selected Papers // edited by Mohamed Faouzi Atig, Alexander A. Schwarzmann
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-31277-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XIX, 388 p. 303 illus., 79 illus. in color.)
Collana	Computer Communication Networks and Telecommunications, , 2945-9184 ; ; 11704
Disciplina	004.6
Soggetti	Computer networks Software engineering Artificial intelligence Microprogramming Computer input-output equipment Computer Communication Networks Software Engineering Artificial Intelligence Control Structures and Microprogramming Input/Output and Data Communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Dynamic Partial Order Reduction under the Release-Acquire Semantics -- On the Complexity of Fault-Tolerant Consensus -- Formal Verification -- Checking Causal Consistency of Distributed Databases -- Liveness in Broadcast Networks -- Formal Verification of UML State Machine Diagrams using Petri Nets -- Synthesize Models for Quantitative Analysis using Automata Learning -- Continuous vs. Discrete Asynchronous Moves: a Certified Approach for Mobile Robots on Graphs -- Distributed Systems -- Self-Stabilizing Snapshot Objects for Asynchronous Failure-Prone Networked Systems -- Self-stabilization overhead: a case study on coded atomic storage -- StakeCube: Combining Sharding and Proof-of-Stake to build Fork-free

Secure Permissionless Distributed Ledgers -- Dissecting Tendermint --
CUDA-DTM: Distributed Transactional Memory for GPU Clusters --
Towards synthesis of distributed algorithms with SMT solvers --
Recoverable Mutual Exclusion with Abortability -- Security -- An
Efficient network IDS for Cloud Environments Based on a Combination
of Deep Learning and an Optimized Self-Adaptive Heuristic Search
Algorithm -- Efficient Security Policy Management using Suspicious
Rules through Access Log Analysis -- A Vaccination Game for
Mitigation Active Worms Propagation in P2P Networks -- (Short Paper)
How to Choose its Parents in the Tangle -- Bitcoin Security With Post
Quantum Cryptography -- Concurrency -- Achieving Starvation-
Freedom in Multi-Version Transactional Memory Systems -- Mutex-
based Desanonymization of an Anonymous Read/Write Memory -- A
Pragmatic Non-blocking Concurrent Directed Acyclic Graph --
Networks -- The Fake News Vaccine -- Distributed Online Data
Aggregation in Dynamic Graphs -- A Multi-Criteria Group Decision
Making Method for Big Data Storage Selection.

Sommario/riassunto

This book constitutes the revised selected papers of the 7th
International Conference on Networked Systems, NETYS 2019, held in
Marrakech, Morocco, in June 2019. The 23 revised full papers and 3
short papers presented were carefully reviewed and selected from 60
submissions. The papers are organized in the following topics: formal
verification, distributed systems, security, concurrency, and networks.
