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	Note generali	Includes index.
	Nota di contenuto	Network Security -- A Characterisation of Smart Grid DoS Attacks -- Security and Privacy in 5G Applications: Challenges and Solutions -- Alarm Elements based Adaptive Network Security Situation Prediction Model -- Watermark based Tor Cross-domain Tracking System For Tor Network Traceback -- System Security -- Research on IoT Security Technology and Standardization in the 5G Era -- MIMEC Based Information System Security Situation Assessment Model -- IoTFC: A Secure and Privacy Preserving Architecture for Smart Buildings -- A Secure Experimentation Sandbox for the design and execution of trusted and secure analytics in the aviation domain -- Machine Learning -- Research on a Hybrid EMD-SVR Model for Time Series Prediction -- Distant Supervision for Relations Extraction via Deep Residual Learning and Multi-Instance Attention in Cybersecurity -- User Identity Linkage across Social Networks based on Neural Tensor Network -- An Efficient and Privacy-Preserving Physiological Case Classification Scheme for E-healthcare System -- A multi-class detection system for Android malicious Apps based on color image features -- Authentication and Access Control -- PUF-based Two-factor Group Authentication in Smart Home -- An Authentication Framework in ICN-enabled Industrial Cyber-Physical Systems -- Access Control for Wireless Body Area Networks -- FIDO - that dog won't hunt

-- Blockchain-enabled user authentication in zero trust Internet of Things -- Cloud Security -- Security Analysis and Improvement of a Dynamic-Hash-Table based Auditing Scheme for Cloud Storage -- A Public Auditing Framework against Malicious Auditors for Cloud Storage based on Blockchain -- A Secure and Verifiable Outsourcing Scheme for Machine Learning Data -- Support Vector Machine Intrusion Detection Scheme Based on Cloud-Fog Collaboration -- An Multi-feature Fusion Object Detection System for Mobile IoT Devices and Edge Computing -- Cryptography -- Generative image steganography based on digital Cardan Grille -- Pixel Grouping Based Image Hashing for DIBR 3D Image -- Improved Conditional Differential Analysis on NLFSR Based Block Cipher KATAN32 with MILP -- Applied Cryptography -- A Verifiable Combinatorial Auction Scheme with Bidder's Privacy Protection -- A Multi-user Shared Searchable Encryption Scheme Supporting SQL Query -- Forward Secure Searchable Encryption with Conjunctive-Keyword Supporting Multi-User -- A3BAC: Attribute-Based Access Control Model with Anonymous Access -- Blockchain-based Decentralized Privacy-Preserving Data Aggregation (BDPDA) Scheme for Smart Grid.

Sommario/riassunto	This book constitutes the refereed proceedings of the Third International Conference on Security and Privacy in New Computing Environments, SPNCE 2020, held in August 2020. Due to COVID-19 pandemic the conference was held virtually. The 31 full papers were selected from 63 submissions and are grouped into topics on network security; system security; machine learning; authentication and access control; cloud security; cryptography; applied cryptography.