

1. Record Nr.	UNINA9910484479303321
Titolo	Silicon Valley Cybersecurity Conference : First Conference, SVCC 2020, San Jose, CA, USA, December 17–19, 2020, Revised Selected Papers // edited by Younghee Park, Divyesh Jadav, Thomas Austin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-72725-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (232 pages) : illustrations
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1383
Disciplina	005.8
Soggetti	Data protection Database management Computer networks Computers Computer systems Artificial intelligence Data and Information Security Database Management System Computer Communication Networks Computing Milieux Computer System Implementation Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Dynamic Security Analysis of Zoom, Google Meet and Microsoft Teams -- A Secure Encapsulation Schemes based on Key Recovery System -- Path Authentication Protocol: Based on a Lightweight MAC and a Nonlinear Filter Generator -- STRISA: A New Regulation Architecture to Enforce Travel Rule -- Post-Quantum Hash-Based Signatures for Secure Boot -- Exploring the Coverage of Existing Hardware Vulnerabilities in Community Standards -- MurQRI: Encrypted Multi-Layer QR Codes for Electronic Identity Management -- SpartanGold: A Blockchain for Education, Experimentation, and Rapid Prototyping -- BIOT: A

blockchain-based IoT Platform for Distributed Energy Resource Management -- A Privacy Preserving E-voting System based on Blockchain -- Reconstructing Classification to Enhance Machine-Learning Based Network Intrusion Detection by Embracing Ambiguity -- ConTheModel: Can we modify tweets to confuse classifier models? -- A Systematic Approach to Building Autoencoders for Intrusion Detection -- An Attack on Quantum Circuits Based on the Error Rates of NISQ Systems and a Countermeasure -- Cryptocurrency with Multiple Sequence Alignment Proof-of-Work -- IoT Checker Using Timing Side-channel and Machine Learning.

---

Sommario/riassunto

This book constitutes selected and revised papers from the First Silicon Valley Cybersecurity Conference, held in San Jose, USA, in December 2020. Due to the COVID-19 pandemic the conference was held in a virtual format. The 9 full papers and 6 short papers presented in this volume were thoroughly reviewed and selected from 30 submissions. They present most recent research on dependability, reliability, and security to address cyber-attacks, vulnerabilities, faults, and errors in networks and systems.

---