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Soggetti	Data protection Computers Computer networks Computer engineering Artificial intelligence Data and Information Security Computing Milieux Computer Communication Networks Computer Engineering and Networks Artificial Intelligence
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Protecting Your Smartphone from Theft Using Accelerometer -- Ransomware Attack Protection: A Cryptographic Approach -- A Lightweight Secure Communication Protocol for IoT devices using Physically Unclonable Function -- Blockchain-based Mobility Management for LTE and Beyond -- EPT: EDNS Privacy Tunnel for DNS -- Ensuring Data Integrity in Fog Computing Based Healthcare Systems -- Modelling Security Requirements for Software Development with Common Criteria -- Visualization of DNS Tunneling Attacks using Parallel Coordinates Technique -- A Data-Driven Network Intrusion Detection Model based on Host Clustering and Integrated Learning: A

Case Study on Botnet Detection -- Towards H-SDN Traffic Analytic Through Visual Analytics and Machine Learning -- End-to-end Encryption Schemes for Online Social Networks -- Touch Analysis: An Empirical Evaluation of Machine Learning Classification Algorithms on Touch Data -- Paper Document Authentication Using Print-scan Resistant Image Hashing and Public-key Cryptography -- TLSHps: SDN-based TLS Handshake Protocol Simplification for IoT -- Data Protection Labware for Secure Mobile Software Development -- Multi-Round Bidding Strategy Based on Game Theory for Crowdsensing Task -- Information Leakage in Wearable Applications -- An Encryption based Approach to Protect Fog Federations from Rogue Nodes -- Python Scrapers for Scraping Cryptomarkets on Tor -- Characteristics of Bitcoin Transactions on Cryptomarkets -- Effectiveness of Machine Learning based Intrusion Detection Systems -- DNS Flood Attack Mitigation Utilizing Hot-lists and Stale Content Updates -- Attack-Aware Recovery Controller-Switch-Link Cost Minimization Placement Algorithm in Software-Defined Networking -- Challenges and Future Direction of Time-Sensitive Software-Defined Networking (TSSDN) in Automation industry -- Method of Deep Web Collection for Mobile Application Store Based on Category Keyword Searching -- Using machine learning to find anomalies in fieldbus network traffic -- Cyber Weapons Storage Mechanisms -- A New Intrusion Detection System Based on Gated Recurrent Unit(GRU) and Genetic Algorithm -- Topic Model Based Android Malware Detection -- A Verifiable Encryption Scheme Supporting Fuzzy Search -- A Verifiable Fully Homomorphic Encryption Scheme -- Secure Communication in UAV Assisted HetNets: A Proposed Model -- Detection of Application-Layer Tunnels with Rules and Machine Learning -- A Study on Anonymous Protocol in a Permission Blockchain with Ensure Privacy for a Member -- Automated Construction of Malware Families -- A Closer Look At Anonymous Proxy Re-encryption Schemes -- Approximate String Matching for DNS Anomaly Detection.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 12th International Conference on Security, Privacy, and Anonymity in Computation, Communication, and Storage, SpaCCS 2019, held in Atlanta, GA, USA in July 2019. The 37 full papers were carefully reviewed and selected from 109 submissions. The papers cover many dimensions including security algorithms and architectures, privacy-aware policies, regulations and techniques, anonymous computation and communication, encompassing fundamental theoretical approaches, practical experimental projects, and commercial application systems for computation, communication and storage.

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