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Nota di contenuto	-- A Novel Scoring Algorithm Against HID Attacks Based on Static Text Feature Matching. -- Identifying Ransomware Functions through Microarchitectural Side-channel Analysis. -- STARMAP: Multi-machine Malware Analysis System for Lateral Movement Observation. -- LogSHIELD: A Graph-based Real-time Anomaly Detection Framework using Frequency Analysis. -- Completeness Analysis of Mobile Apps' Privacy Policies by Using Deep Learning. -- Characterizing the Evolution of Psychological Tactics and Techniques Exploited by Malicious Emails. -- Matching Knowledge Graphs for Cybersecurity Countermeasures Selection. -- Graph-Based Profiling of Dependency Vulnerability Remediation. -- Characterizing the Evolution of

Psychological Factors Exploited by Malicious Emails. -- An Enhanced Firewall for IoT Security. -- Exploring the Effects of Cybersecurity Awareness and Decision-Making Under Risk. -- SVSM-KMS: Safeguarding Keys for Cloud Services with Encrypted Virtualization. -- GNNexPIDS: An Interpretation Method for Provenance-based Intrusion Detection Based on GNNExplainer. -- Performance Evaluation of Lightweight Cryptographic Ciphers on ARM Processor for IoT Deployments. -- AutoCRAT: Automatic Cumulative Reconstruction of Alert Trees. -- FAF-BM: An Approach for False Alerts Filtering using BERT Model with Semi-supervised Active Learning. -- Smart Home Cyber Insurance Pricing. -- Exhaustive Exploratory Analysis of Low Degree Maximum Period NLFSRs By Graph Analysis. -- Integrating Consortium Blockchain and Attribute-Based Searchable Encryption for Automotive Threat Intelligence Sharing Model. -- Multi-Modal Multi-Task Tiered Expert (M3TTE): An Effective Method for CDN Website Classification. -- Malware Variant Detection Based on Knowledge Transfer and Ensemble Learning. -- An Efficient IOC-Driven BigData Tracing and Backtracking Model for Emergency Response. -- Integrating CP-ABE and Device Fingerprint into Federated Learning. -- Automatic Alert Categories Standardization for Heterogeneous Devices with Incomplete Semantic Knowledge Based on LSTM. -- Family Similarity-Enhanced Implicit Data Augmentation for Malware Classification.

Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Science of Cyber Security, SciSec 2024, held in Copenhagen, Denmark, during August 14–16, 2024. The 25 full papers presented here were carefully selected and reviewed from 79 submissions. These papers focus on the recent research, trends and challenges in the emerging field of Cyber Security.
