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Nota di contenuto	Fast QuadTree-Based Pose Estimation for Security Applications using Face Biometrics -- ATPG Binning and SAT Based Approach to Hardware Trojan Detection for Safety Critical Systems -- Enhanced Keystroke Recognition Based on Moving Distance of Keystrokes through WiFi -- Revisiting Website Fingerprinting Attacks in Real-World Scenarios: A

Case Study of Shadowsocks -- User Relationship Classification of Facebook Messenger Mobile Data using WEKA -- Secure Scheme Against Compromised Hash in Proof-of-Work Blockchain -- Real-time IoT Device Activity Detection in Edge Networks -- Analysis on the Block Reward of Fork After Withholding -- DBAF: Dynamic Binary Analysis Framework and Its Applications -- EMA-LAB: Efficient Multi Authorisation Level Attribute Based Access Control -- Preventing Buffer Overflows by Context-aware Failure-oblivious Computing -- Analyzing the Communication Security between Smartphones and IoT based on CORAS -- An efficient privacy preserving batch authentication scheme with deterable function for VANETs -- Using Software Visualization for Supporting the Teaching of Map Reduce -- Walking on the Cloud: Gait Recognition, a Wearable Solution -- Anonymous Attribute-Based Conditional Proxy Re-Encryption -- Burn After Reading: Expunging Execution Footprints of Android Apps -- Comprehensive Analysis of the Permissions used in Android -- A Provably-Secure Anonymous Two-factor Authenticated Key Exchange Protocol with Stronger Anonymity -- PrivacySearch: An End-User and Query Generalization Tool for Privacy Enhancement in Web Search -- An OpenvSwitch Extension for SDN Traceback -- Shoot at A Pigeon And Kill A Crow: On Strike Precision of Link Flooding Attacks -- Multi-user Forward Secure Dynamic Searchable Symmetric Encryption -- Adding Confidential Transactions to Cryptocurrency IOTA with Bulletproofs -- Creating and Managing Realism in the Next-Generation Cyber Range -- Deep Android Malware Detection with Adaptive Classifier Selection -- Towards Security Authentication for IoT Devices with Lattice-based Zero-knowledge -- Performance Analysis of Searchable Symmetric Encryption Schemes on Mobile Devices -- Understanding the Behaviors of BGP-based DDoS Protection Services -- Vulnerability Assessment for Unmanned Systems Autonomy Services Architecture -- Continuous Authentication on Smartphone by means of Periocular and Virtual Keystroke -- LA3: A Lightweight Accountable and Anonymous Authentication Scheme for Resource-constrained Devices -- Android Malware Detection Methods Based on the Combination of Clustering and Classification -- Secure Semantic Search based on Two-level Index over Encrypted Cloud -- SCARA: A Framework for Secure Cloud-Assisted RFID Authentication for Smart Building Access Control.

Sommario/riassunto

This book constitutes the proceedings of the 12th International Conference on Network and System Security, NSS 2018, held in Hong Kong, China, in August 2018. The 26 revised full papers and 9 short papers presented in this book were carefully reviewed and selected from 88 initial submissions. The papers cover a wide range of topics in the field, including blockchain, mobile security, applied cryptography, authentication, biometrics, IoT, privacy, and education.
