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	Nota di contenuto	Cryptography I -- Plaintext-Checkable Encryption with Unlink-CCA Security in the Standard Model -- A Bitwise Logistic Regression using Binary Approximation and Real Number Division in Homomorphic Encryption Scheme -- Accelerating Number Theoretic Transform in GPU Platform for qTESLA Scheme -- Provably Secure Three-party Password-based Authenticated Key Exchange from RLWE -- System and Network Security -- KMO : Kernel Memory Observer to Identify Memory Corruption by Secret Inspection Mechanism -- Peel the onion: Recognition of Android apps behind the Tor Network -- JSLess: A Tale of a Fileless Javascript Memory-Resident Malware -- Security Protocol and Tool -- A Physical ZKP for Slitherlink: How to Perform Physical Topology-Preserving Computation -- Secure Best Arm Identication in Multi-Armed Bandits -- CATCHA: When Cats Track Your Movements

Online -- Designing a Code Vulnerability Meta-Scanner -- Access Control and Authentication -- Using IFTTT to Express and Enforce UCON Obligations -- Evaluation of Software PUF Based on Gyroscope -- White-Box Implementation of the KMAC Message Authentication Code -- Cryptography II -- Improving Signature Schemes With Tight Security Reductions -- Improved Digital Signatures Based on Elliptic Curve Endomorphism Rings -- Identity-based Signature Scheme Secure in Ephemeral Setup and Leakage Scenarios -- Recovering Internal States of Grain-v1 -- Data and User Privacy -- GDPR-Compliant Reputation System Based on Self-Certifying Domain Signatures -- Dening a new composite cybersecurity rating scheme for SMEs in the U.K. -- Privacy Preserving Approach in Dynamic Social Network Data Publishing -- Short Paper I -- Using Freivalds' algorithm to accelerate Lattice-Based Signature Verications -- Group-based Key Exchange Protocol based on Complete Decomposition Search Problem -- Development Activities, Tools and Techniques of Secure Microservices Compositions -- Generating Phishing Emails Using Graph Database -- Short Paper II -- Evaluating Intrusion Sensitivity Allocation with Support Vector Machine for Collaborative Intrusion Detection -- The (Persistent) Threat of Weak Passwords: Implementation of a Semi-Automatic Password-Cracking Algorithm -- A Novel and Comprehensive Evaluation Methodology for SIEM.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 15th International Conference on Information Security Practice and Experience, ISPEC 2019, held in Kuala Lumpur, Malaysia, in November 2019. The 21 full and 7 short papers presented in this volume were carefully reviewed and selected from 68 submissions. They were organized into the following topical sections: Cryptography I, System and Network Security, Security Protocol and Tool, Access Control and Authentication, Cryptography II, Data and User Privacy, Short Paper I, and Short Paper II. |