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	Nota di contenuto	AI for Network Security -- Vulnerability Detection Using Deep Learning Based Function Classification -- RAIDER: Reinforcement-aided Spear Phishing Detector -- Network Intrusion Detection Adversarial Attacks for LEO Constellation Networks Based on Deep Learning -- A Proof of Concept Implementation of Explainable Artificial Intelligence (XAI) in Digital Forensics -- Graph Intelligence Enhanced Bi-Channel Insider Threat Detection -- Network Security -- Exploiting Redundancy in Network Flow Information for Efficient Security Attack Detection -- A Learning Methodology for Line-Rate Ransomware Mitigation with P4 Switches -- Reducing Intrusion Alert Trees to Aid Visualization -- Attacker Attribution Through Characteristics Inference Using Honeypot Data -- Detecting Contradictions from CoAP RFC Based on Knowledge Graph -- Mobile Security -- A First Look at Android Apps' Third-party

Resources Loading -- Comprehensive Mobile Traffic Characterization Based on a Large-Scale Mobile Traffic Dataset -- DOT-M: A Dual Offline Transaction Scheme of Central Bank Digital Currency for Trusted Mobile Devices -- A Beyond-5G Authentication and Key Agreement Protocol -- IoT Security -- A Survey on IoT Vulnerability Discovery -- Differentiated Security Architecture for Secure and Efficient Infotainment Data Communication in IoV Networks -- An Efficient Authenticated Group Key Agreement Protocol with Dynamic Batch Verification for Secure Distributed Networks -- Leveraging Frame Aggregation in Wi-Fi IoT Networks for Low-Rate DDoS Attack Detection -- Supporting Cyber-Attacks and System Anomaly Detection Research with an Industry 4.0 Dataset -- Privacy-Preserving Machine Learning Protocols and Systems -- The Force of Compensation, A Multi-stage Incentive Mechanism Model for Federated Learning -- A Privacy-Preserving Distributed Machine Learning Protocol Based on Homomorphic Hash Authentication -- An Efficient Clustering-Based Privacy-Preserving Recommender System -- A Differential Privacy Mechanism for Deceiving Cyber Attacks in IoT Networks -- Privacy-Preserving Networked Systems and Protocols -- Privacy-Preserving Online Ride-Hailing Matching System with an Untrusted Server -- Efficient and Fine-Grained Sharing of Signed Healthcare Data in Smart Healthcare -- Enabling Secure Deduplication in Encrypted Decentralized Storage -- Geometric Range Searchable Encryption with Forward and Backward Security -- Blockchain Security -- Towards Secure and Trustworthy Flash Loans: A Blockchain-based Trust Management Approach -- Forward Traceability for Product Authenticity Using Ethereum Smart Contracts -- BSB: Bringing Safe Browsing to Blockchain Platform -- Blockchain-Powered Systems -- Practical Anonymous Multi-Hop Locks for Lightning Network Compatible Payment Channel Networks -- Blockchain Based Regulatory Technology Deployment for Real Estate Transaction -- CVallet: a Blockchain-Oriented Application Development for Education and Recruitment -- Decentralized Access Control for Secure Microservices Cooperation with Blockchain -- Blockchain-Based Access Control for Smart Manufacturer Secure Management System -- Attacks -- Driver Locations Harvesting Attack on pRide -- Rebound Attacks on SKINNY Hashing with Automatic Tools -- Combination Reduction Algorithms and its Application to Subversion Attack -- Cryptographic Algorithms and Protocols -- Evaluating the Security of Merkle-Damgard Hash Functions and Combiners in Quantum Settings -- An Efficient Lattice-Based Encrypted Search Scheme with Forward Security -- Strengthening the Security of AES Against Differential Fault Attack.

Sommario/riassunto	This book constitutes the refereed proceedings of the 16th International Conference on Network and System Security, NSS 2022, held in Denarau Island, Fiji, on December 9-12, 2022. The 23 full and 18 short papers presented in this book were carefully reviewed and selected from 83 submissions. They focus on theoretical and practical aspects of network and system security, such as authentication, access control, availability, integrity, privacy, confidentiality, dependability and sustainability of computer networks and systems.