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Collana	Security and Cryptology ; ; 9955
Disciplina	005.8
Soggetti	Data protection Cryptography Data encryption (Computer science) Computer networks Electronic data processing—Management Computers and civilization Data and Information Security Cryptology Computer Communication Networks IT Operations Computers and Society
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Invited paper -- While Mobile Encounters with Clouds -- Authentication Mechanism -- Multi-Device Anonymous Authentication -- A Mobile Device-Based Antishoulder-Surfing Identity Authentication Mechanism -- Mutual Authentication with Anonymity for Roaming Service with Smart Cards in Wireless Communications -- Cloud Computing Security -- Efficient Fine-Grained Access Control for Secure Personal Health Records in Cloud Computing -- An Energy-Efficient Task Scheduling Heuristic Algorithm without Virtual Machine Migration in Real-time Cloud Environments -- An Infrastructure-Based Framework for the Alleviation of JavaScript Worms from the OSN in Mobile Cloud Platforms

-- Data Mining for Security Application -- Ld-CNNs: A Deep Learning System for Structured Text Categorization Based on LDA in Content Security -- Realtime DDoS detection in SIP Ecosystems: Machine Learning tools of the trade -- Digital Signature -- Two-in-One Oblivious Signatures Secure in the Random Oracle Model -- A New Transitive Signature Scheme -- Privacy-preserving Technologies -- Privacy-Preserving Profile Matching Protocol Considering Conditions -- Privacy Preserving Credit Systems -- Evading System-Calls Based Intrusion Detection Systems -- Network Security and Forensic -- HeapRevolver: Delaying and Randomizing Timing of Release of Freed Memory Area to Prevent Use-After-Free Attacks -- A Network Timestamp Verification Mechanism for Forensic Analysis -- Searchable Encryption -- An Efficient Secure Channel Free Searchable Encryption Scheme with Multiple Keywords -- Searchable Symmetric Encryption Supporting Queries with Multiple-Character Wildcards -- A System of Shareable Keyword Search on Encrypted Data -- Security Policy and Access Control -- An Attribute Based Protection Model for JSON Documents -- The GURA-G Administrative Model for User and Group Attribute Assignment.-On the relationship between finite domain ABAM and PreUCONA -- Security Protocols -- MD-VCMatrix: An Efficient Scheme for Publicly Verifiable Computation of Outsourced Matrix Multiplication -- Expressive Rating Scheme by Signatures with Predications on Rates -- Symmetric Key Cryptography -- A New Adaptable Construction of Modulo Addition with Scalable Security for Stream Ciphers -- Extension of Meet-in-the-Middle Technique for Truncated Differential and Its Application to RoadRunner -- System Security -- DF-ORAM: A Practical Dummy Free Oblivious RAM to Protect Outsourced Data Access Pattern -- PMFA: Toward Passive Message Fingerprint Attacks on Challenge-based Collaborative Intrusion Detection Networks -- Iris Cancellable Template Generation based on Indexing-First-One Hashing -- Web Security -- Detecting Malicious URLs Using Lexical Analysis -- Gatekeeping Behavior Analysis for Information Credibility Assessment on Weibo -- Data Mining for Security Application (Short Paper) -- Finding Anomalies in SCADA Logs Using Rare Sequential Pattern Mining -- Provable Security (Short Paper) -- Improved Security Proofs for Modular Exponentiation Bits -- Security Protocol (Short Paper) -- Secure Outsourced Bilinear Pairings Computation for Mobile Devices -- The Design and Implementation of Multi-Dimensional Bloom Filter Storage Matrix.

Sommario/riassunto

This book constitutes the proceedings of the 10th International Conference on Network and System Security, NSS 2016, held in Taipei, Taiwan, in September 2016. The 31 full and 4 short papers presented in this volume were carefully reviewed and selected from 105 submissions. They were organized in topical sections named: authentication mechanism; cloud computing security; data mining for security application; privacy-preserving technologies; network security and forensics; searchable encryption; security policy and access control; security protocols, symmetric key cryptography; system security; Web security. The volume also contains one invited paper.
