

1. Record Nr.	UNISA996465639703316
Titolo	Computer Network Security [[electronic resource]] : 6th International Conference on Mathematical Methods, Models and Architectures for Computer Network Security, MMM-ACNS 2012, St. Petersburg, Russia, October 17-19, 2012, Proceedings / / edited by Igor Kotenko, Victor Skormin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2012
ISBN	3-642-33704-X
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (XIV, 319 p. 83 illus.)
Collana	Computer Communication Networks and Telecommunications ; ; 7531
Disciplina	005.8
Soggetti	Computer security Computer communication systems Computers and civilization Data encryption (Computer science) Operating systems (Computers) Architecture, Computer Systems and Data Security Computer Communication Networks Computers and Society Cryptology Operating Systems Computer System Implementation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Finding Malware on a Web Scale. -- Exposing Security Risks for Commercial Mobile Devices -- From Qualitative to Quantitative Enforcement of Security Policy -- Design and Implementation of a Cloud-Based Assured Information Sharing System -- Optimization of Key Distribution Protocols Based on Extractors for Noisy Channels within Active Adversaries -- A Vulnerability in the UMTS and LTE Authentication and Key Agreement Protocols -- Blind 384-bit Digital

Signature Scheme -- RABAC: Role-Centric Attribute-Based Access Control -- Trust-Aware RBAC -- Alternative Mechanisms for Information Security -- Flow Policies by a Three-Valued Analysis -- Towards the Orchestration of Secured Services under Non-disclosure Policies -- An Approach for Network Information Flow Analysis for Systems of Embedded Components -- Individual Countermeasure Selection Based on the Return On Response Investment Index -- Security and Reliability Requirements for Advanced Security Event Management -- Model-Based Security Event Management -- Using Behavioral Modeling and Customized Normalcy Profiles as Protection against Targeted Cyber-Attacks -- Limitation of Honeypot/Honeynet Databases to Enhance Alert Correlation -- Stochastic Model of Interaction between Botnets and Distributed Computer Defense Systems -- Malware Characterization Using Behavioral Components -- MADAM: A Multi-level Anomaly Detector for Android Malware -- Using Low-Level Dynamic Attributes for Malware Detection Based on Data Mining Methods -- Configuration-Based Approach to Embedded Device Security -- A Study of Entropy Sources in Cloud Computers: Random Number -- Generation on Cloud Hosts -- Security Modeling of Grid Systems Using Petri Nets -- Using Graph Theory for Cloud System Security Modeling.

Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Mathematical Methods, Models, and Architectures for Computer Network Security, MMM-ACNS 2012, held in St. Petersburg, Russia in October 2012. The 14 revised full papers and 8 revised short presentations were carefully reviewed and selected from a total of 44 submissions. The papers are organized in topical sections on applied cryptography and security protocols, access control and information protection, security policies, security event and information management, intrusion prevention, detection and response, anti-malware techniques, security modeling and cloud security.
