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Disciplina	005.8
Soggetti	Cryptography Data encryption (Computer science) Computer networks Data protection Computers and civilization Electronic data processing - Management Information storage and retrieval systems Cryptology Computer Communication Networks Data and Information Security Computers and Society IT Operations Information Storage and Retrieval
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Nota di contenuto	Keynote Address -- Security in Practice – Security-Usability Chasm -- Network Security -- Investigating the Impact of Real-World Factors on Internet Worm Propagation -- An OS Security Protection Model for Defeating Attacks from Network -- A Secure Intra-domain Routing Protocol for Wireless Mesh Networks -- Cryptography -- Genetic Algorithm Based Steganography Using Wavelets -- Cryptanalysis of Tso

et al.’s ID-Based Tripartite Authenticated Key Agreement Protocol -- A Near Optimal S-Box Design -- Architectures and Systems -- A Software Framework for Autonomic Security in Pervasive Environments -- DLPKH – Distributed Logical Public-Key Hierarchy -- Inference Control in Logic Databases as a Constraint Satisfaction Problem -- Cryptanalysis -- An Improved SCARE Cryptanalysis Against a Secret A3/A8 GSM Algorithm -- Cryptanalysis and the Improvement of Kim et al.’s Password Authentication Schemes -- Information Leakage Via Electromagnetic Emanations and Evaluation of Tempest Countermeasures -- Keynote Talk -- Data Privacy – Problems and Solutions -- Protocols -- Secure Chaotic Synchronization Using Negative Feedback of Super-Positioned Signals -- A Secure and Efficient Multi-authority Proactive Election Scheme -- Secure Transaction Management Protocols for MLS/DDBMS -- Keynote Talk -- The Curse of Ease of Access to the Internet -- Short Papers -- A Structured Approach to Detect Scanner-Printer Used in Generating Fake Document -- A Zero Knowledge Password Proof Mutual Authentication Technique Against Real-Time Phishing Attacks -- Simulation of Dynamic Honeypot Based Redirection to Counter Service Level DDoS Attacks -- A New Concept of Key Agreement Using Chaos-Synchronization Based Parameter Estimation -- On Knowledge-Based Classification of Abnormal BGP Events -- Towards Automated PrivilegeSeparation -- Detection and Recognition -- Constructing a “Common Cross Site Scripting Vulnerabilities Enumeration (CXE)” Using CWE and CVE -- Performance Analysis for Multi Sensor Fingerprint Recognition System -- Use of Dimensionality Reduction for Intrusion Detection.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third International Conference on Information Systems Security, ICISS 2007, held in Delhi, India, in December 2007. The 18 revised full papers and 5 short papers presented together with 4 keynote papers were carefully reviewed and selected from 78 submissions. The submitted topics in cryptography, intrusion detection, network security, information flow systems, Web security, and many others offer a detailed view of the state of the art in information security. The papers are organized in topical sections on network security, cryptography, architectures and systems, cryptanalysis, protocols, detection and recognition, as well as short papers.