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Nota di contenuto

Fair Exchange -- An Evenhanded Certified Email System for Contract Signing -- Efficient ID-Based Optimistic Fair Exchange with Provable Security -- On the Quest for Impartiality: Design and Analysis of a Fair Non-repudiation Protocol -- Generic, Optimistic, and Efficient Schemes for Fair Certified Email Delivery -- Digital Signatures I -- Cryptanalysis of a Forward Secure Blind Signature Scheme with Provable Security -- On Delegatability of Four Designated Verifier Signatures -- PIATS: A Partially Sanitizable Signature Scheme -- Cryptographic Protocols -- Ciphertext Comparison, a New Solution to the Millionaire Problem -- Private Itemset Support Counting -- Visual Cryptographic Protocols Using the Trusted Initializer -- Admissible Interference by Typing for Cryptographic Protocols -- Cryptanalysis -- On the Security Bounds of CMC, EME, EME[?] and EME* Modes of Operation -- On the Security of Encryption Modes of MD4, MD5 and HAVAL -- Cryptanalysis of PASS II and MiniPass -- Simple Power Analysis on FastModular Reduction with NIST Recommended Elliptic Curves -- Digital Signatures II -- Asymmetric Concurrent Signatures -- Generic Construction of (Identity-Based) Perfect Concurrent Signatures -- Sequential Aggregate Signatures Working over Independent Homomorphic Trapdoor One-Way Permutation Domains -- Network Security -- Session Table Architecture for Defending SYN Flood Attack -- A Behavior-Based Ingress Rate-Limiting Mechanism Against DoS/DDoS Attacks -- Port Scan Behavior Diagnosis by Clustering -- Network Vulnerability Analysis Through Vulnerability Take-Grant Model (VTG) -- Applied Cryptography -- Multiplex Encryption: A Practical Approach to Encrypting Multi-recipient Emails -- Secure Multicast Using Proxy Encryption -- Efficient and Non-interactive Timed-Release Encryption -- Key Management -- Security Properties of Two Authenticated Conference Key Agreement Protocols -- Cryptanalysis of Two User Identification Schemes with Key Distribution Preserving Anonymity -- Enhanced ID-Based AuthenticatedKey Agreement Protocols for a Multiple Independent PKG Environment -- Access Control -- Enforce Mandatory Access Control Policy on XML Documents -- Network Access Control for Mobile Ad-Hoc Networks -- Remotely Keyed Cryptographics Secure Remote Display Access Using (Mostly) Untrusted Hardware -- Applications -- Authenticating Query Results in Data Publishing -- Multi-Source Stream Authentication Framework in Case of Composite MPEG-4 Stream -- Batching SSL/TLS Handshake Improved -- Achieving Efficient Conjunctive Keyword Searches over Encrypted Data -- Watermarking -- Total Disclosure of the Embedding and Detection Algorithms for a Secure Digital Watermarking Scheme for Audio -- Reversible Watermark with Large Capacity Using the Predictive Coding -- System Security -- PCAV: Internet Attack Visualization on Parallel Coordinates -- Implementation of Packet Filter Configurations Anomaly Detection System with SIERRA -- D_DIPS: An Intrusion Prevention System for Database Security.

Sommario/riassunto

The Seventh International Conference on Information and Communications - curity, ICICS2005, washeldinBeijing, China, 10-13December2005. The ICICS conference series is an established forum for exchanging new research ideas and development results in the areas of information security and applied crypt- raphy. The ?rst event began here in Beijing in 1997. Since then the conference series has been interleaving its venues in China and the rest of the world: ICICS 1997 in Beijing, China; ICICS 1999 in Sydney, Australia; ICICS 2001 in Xi'an, China; ICICS 2002 in Singapore; ICICS 2003 in Hohhot City, China; and ICICS 2004 in Malaga, Spain. The conference proceedings of the past events have - ways been published by Springer in the Lecture

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