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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3108
Disciplina	005.8
Soggetti	Data encryption (Computer science) Management information systems Computer science Operating systems (Computers) Algorithms Computers and civilization Computer communication systems Cryptography Management of Computing and Information Systems Operating Systems Algorithm Analysis and Problem Complexity Computers and Society Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Broadcast Encryption and Traitor Tracing -- Multi-service Oriented Broadcast Encryption -- Secure and Insecure Modifications of the Subset Difference Broadcast Encryption Scheme -- Linear Code Implies Public-Key Traitor Tracing with Revocation -- TTS without Revocation Capability Secure Against CCA2 -- Private Information Retrieval and Oblivious Transfer -- Single Database Private Information Retrieval with

Logarithmic Communication -- Information Theoretically Secure
Oblivious Polynomial Evaluation: Model, Bounds, and Constructions --
Trust and Secret Sharing -- Optimistic Fair Exchange Based on Publicly
Verifiable Secret Sharing -- NGSCB: A Trusted Open System --
Cryptanalysis (I) -- The Biryukov-Demirci Attack on Reduced-Round
Versions of IDEA and MESH Ciphers -- Differential-Linear Type Attacks
on Reduced Rounds of SHACAL-2 -- The Related-Key Rectangle Attack
-- Application to SHACAL-1 -- Related Key Differential Cryptanalysis of
Full-Round SPECTR-H64 and CIKS-1 -- The Security of Cryptosystems
Based on Class Semigroups of Imaginary Quadratic Non-maximal
Orders -- Cryptanalysis (II) -- Analysis of a Conference Scheme Under
Active and Passive Attacks -- Cryptanalysis of Two Password-
Authenticated Key Exchange Protocols -- Analysis and Improvement of
Micali's Fair Contract Signing Protocol -- Digital Signatures (I) -- Digital
Signature Schemes with Domain Parameters -- Generic Construction of
Certificateless Signature -- Cryptosystems (I) -- A Generalization of
PGV-Hash Functions and Security Analysis in Black-Box Model -- How
to Re-use Round Function in Super-Pseudorandom Permutation -- How
to Remove MAC from DHIES -- Symmetric Key Authentication Services
Revisited -- Fast Computation -- Improvements to the Point Halving
Algorithm -- Theoretical Analysis of XL over Small Fields -- A New
Method for Securing Elliptic Scalar Multiplication Against Side-Channel
Attacks -- Mobile Agents Security -- A Mobile Agent System Providing
Offer Privacy -- Digital Signatures (II) -- Identity-Based Strong
Designated Verifier Signature Schemes -- Linkable Spontaneous
Anonymous Group Signature for Ad Hoc Groups -- A Group Signature
Scheme with Efficient Membership Revocation for Reasonable Groups
-- Convertible Nominative Signatures -- Protocols -- Protocols with
Security Proofs for Mobile Applications -- Secure Bilinear Diffie-
Hellman Bits -- Weak Property of Malleability in NTRUSign -- Security
Management -- Information Security Risk Assessment, Aggregation,
and Mitigation -- Access Control and Authorisation -- A Weighted
Graph Approach to Authorization Delegation and Conflict Resolution --
Authorization Mechanisms for Virtual Organizations in Distributed
Computing Systems -- Cryptosystems (II) -- Unconditionally Secure
Encryption Under Strong Attacks -- ManTiCore: Encryption with Joint
Cipher-State Authentication -- Cryptanalysis (III) -- On Security of XTR
Public Key Cryptosystems Against Side Channel Attacks -- On the Exact
Flexibility of the Flexible Countermeasure Against Side Channel Attacks
-- Fault Attacks on Signature Schemes.

Sommario/riassunto

The 9th Australasian Conference on Information Security and Privacy (ACISP 2004) was held in Sydney, 13–15 July, 2004. The conference was sponsored by the Centre for Advanced Computing – Algorithms and Cryptography (ACAC), Information and Networked Security Systems Research (INSS), Macquarie University and the Australian Computer Society.

The aims of the conference are to bring together researchers and practitioners working in areas of information security and privacy from universities, industry and government sectors. The conference program covered a range of aspects including cryptography, cryptanalysis, systems and network security. The program committee accepted 41 papers from 195 submissions. The reviewing process took six weeks and each paper was carefully evaluated by at least three members of the program committee. We appreciate the hard work of the members of the program committee and external referees who gave many hours of their valuable time. Of the accepted papers, there were nine from Korea, six from Australia, five each from Japan and the USA, three each from China and Singapore, two each from Canada and Switzerland, and

one each from Belgium, France, Germany, Taiwan, The Netherlands and the UK. All the authors, whether or not their papers were accepted, made valued contributions to the conference. In addition to the contributed papers, Dr Arjen Lenstra gave an invited talk, entitled Likely and Unlikely Progress in Factoring.

This year the program committee introduced the Best Student Paper Award. The winner of the prize for the Best Student Paper was Yan-Cheng Chang from Harvard University for his paper Single Database Private Information Retrieval with Logarithmic Communication.
