



# Cryptography and Information Security in the Balkans [ First International Conference, BalkanCryptSec 2014, Istanbul, Turkey, October 16-17, 2014, Revised Selected Papers /

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Computer science

Data protection

Data encryption (Computer science)

Computer Science

Data Encryption

Systems and Data Security

Monografía

This book constitutes revised selected papers from the First International Conference on Cryptography and Information Security in the Balkans, Balkan Crypt Sec 2014, held in Istanbul, Turkey, in October 2014. The 15 papers presented in this volume were carefully reviewed and selected from 36 submissions. They were organized in topical sections named: symmetric cryptography, cryptographic hardware, cryptographic protocols and public key cryptography. The book also contains one invited talk in full paper length

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**Contenido:** Authentication in Constrained Settings -- Optimizing the Placement of Tap Positions -- Families of Pseudorandom Binary Sequences with Low Cross-Correlation Measure -- Algebraic Attacks Using Binary Decision Diagrams -- Universally Composable Firewall Architectures Using Trusted Hardware -- Higher-Order Glitch Resistant Implementation of the PRESENT S-Box -- An Elliptic Curve Cryptographic Processor Using Edwards Curves and the Number Theoretic Transform -- Preventing Scaling of Successful Attacks: A Cross-Layer Security Architecture for Resource-Constrained Platforms -- A Secure and Efficient Protocol for Electronic Treasury Auctions -- Anonymous Data Collection System with Mediators -- A Multi-Party Protocol for Privacy-

Preserving Cooperative Linear Systems of Equations -- Key-Policy Attribute-Based Encryption for Boolean Circuits from Bilinear Maps -- On the Anonymization of Cocks IBE Scheme -- Nearest Planes in Practice -- Timed-Release Secret Sharing Schemes with Information Theoretic Security -- A Signature Scheme for a Dynamic Coalition Defence Environment Without Trusted Third Parties

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