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Soggetti	Cryptography Data encryption (Computer science) Application software Computer networks Cryptology Computer and Information Systems Applications Computer Communication Networks
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Livello bibliografico	Monografia
Nota di contenuto	Code-Based Cryptography -- Hybrid Decoding - Classical-Quantum Trade-Offs for Information Set Decoding -- How to Backdoor (Classic) McEliece and How to Guard Against Backdoors -- LRPC codes with multiple syndromes: near ideal-size KEMs without ideals -- Interleaved Prange: A New Generic Decoder for Interleaved Codes -- A Study of Error Floor Behavior in QC-MDPC Codes -- Multivariate Cryptography and the MinRank Problem -- Improvement of algebraic attacks for superdetermined MinRank -- A New Fault Attack on UOV Multivariate Signature Scheme -- MR-DSS - Smaller MinRank-based (Ring-) Signatures -- IPRainbow -- 2F - A New Method for Constructing Efficient Multivariate Encryption Schemes -- Quantum Algorithms, Attacks and Models -- Quantum Attacks on Lai-Massey Structure -- Sponge-based Authenticated Encryption: Security against Quantum Attackers -- Post-

quantum Plaintext-awareness -- On Quantum Ciphertext
Indistinguishability, Recoverability, and OAEP -- Implementation and
Side channel attacks -- Efficiently Masking Polynomial Inversion at
Arbitrary Order -- A Power Side-Channel Attack on the Reed-Muller
Reed-Solomon Version of the HQC Cryptosystem -- A New Key
Recovery Side-Channel Attack on HQC with Chosen Ciphertext --
Isogeny -- On Actively Secure Fine-Grained Access Structures from
Isogeny Assumptions -- Attack on SHealS and HealS: the Second Wave
of GPST -- Post-Quantum Signal Key Agreement from SIDH -- Lattice-
Based Cryptography -- Forward-Secure Revocable Secret Handshakes
from Lattices -- Estimating the Hidden Overheads in the BDGL Lattice
Sieving Algorithm -- Cryptanalysis -- Breaking Category Five SPHINCS+
with SHA-256.

Sommario/riassunto

This volume constitutes the proceedings of the 13th International Conference on post-quantum cryptography, PQCrypto 2022, held in as a Virtual Event in September 2022. The 23 full papers presented in this volume were carefully reviewed and selected from 66 submissions. They cover a broad spectrum of research within the conference's scope, including code-, hash-, isogeny-, and lattice-based cryptography, multivariate cryptography, and quantum cryptanalysis. The papers are categorized in the following topical sub-headings: Code-Based Cryptography; Multivariate Cryptography and the MinRank Problem; Quantum Algorithms, Attacks and Models; Implementation and Side Channel Attacks; Isogeny; Lattice-based Cryptography; Cryptanalysis.
