

| | |
|-------------------------|--|
| 1. Record Nr. | UNISA996465667103316 |
| Titolo | Arithmetic of Finite Fields [[electronic resource]] : Third International Workshop, WAIFI 2010, Istanbul, Turkey, June 27-30, 2010, Proceedings // edited by M. Anwar Hasan, Tor Helleseth |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010 |
| ISBN | 1-280-38738-6 9786613565303 3-642-13797-0 |
| Edizione | [1st ed. 2010.] |
| Descrizione fisica | 1 online resource (280 p. 41 illus.) |
| Collana | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6087 |
| Disciplina | 512.32 |
| Soggetti | Computer programming Computer science—Mathematics Discrete mathematics Algorithms Cryptography Data encryption (Computer science) Computer networks Programming Techniques Symbolic and Algebraic Manipulation Discrete Mathematics in Computer Science Cryptology Computer Communication Networks |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Invited Talk 1 -- Recursive Towers of Function Fields over Finite Fields -- Efficient Finite Field Arithmetic -- High-Performance Modular Multiplication on the Cell Processor -- A Modified Low Complexity Digit-Level Gaussian Normal Basis Multiplier -- Type-II Optimal Polynomial Bases -- Pseudo-random Numbers and Sequences -- Pseudorandom Vector Sequences Derived from Triangular Polynomial Systems with Constant Multipliers -- Structure of Pseudorandom |

Numbers Derived from Fermat Quotients -- Boolean Functions --
Distribution of Boolean Functions According to the Second-Order
Nonlinearity -- Hyper-bent Boolean Functions with Multiple Trace
Terms -- Invited Talk 2 -- On the Efficiency and Security of Pairing-
Based Protocols in the Type 1 and Type 4 Settings -- Functions,
Equations and Modular Multiplication -- Switching Construction of
Planar Functions on Finite Fields -- Solving Equation Systems by
Agreeing and Learning -- Speeding Up Bipartite Modular Multiplication
-- Finite Field Arithmetic for Pairing Based Cryptography --
Constructing Tower Extensions of Finite Fields for Implementation of
Pairing-Based Cryptography -- Delaying Mismatched Field
Multiplications in Pairing Computations -- Invited Talk 3 --
Regenerating Codes for Distributed Storage Networks -- Finite Fields,
Cryptography and Coding -- On Rationality of the Intersection Points of
a Line with a Plane Quartic -- Reflections about a Single Checksum --
Efficient Time-Area Scalable ECC Processor Using ?-Coding Technique.
