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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
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Formato	Materiale a stampa
Livello bibliografico	Monografia
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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  $\lambda$ -Coding Technique.

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