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Titolo	Sequences and Their Applications - SETA 2010 [[electronic resource]] : 6th International Conference, Paris, France, September 13-17, 2010. Proceedings // edited by Claude Carlet, Alexander Pott
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Descrizione fisica	1 online resource (X, 465 p. 50 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6338
Disciplina	515.24
Soggetti	Computer science—Mathematics Discrete mathematics Algorithms Cryptography Data encryption (Computer science) Computer networks Electronic data processing—Management Coding theory Information theory Discrete Mathematics in Computer Science Cryptology Computer Communication Networks IT Operations Coding and Information Theory
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 Paper -- Low Correlation Zone Sequences -- Algorithmic Aspects -- Decimation Generator of Zadoff-Chu Sequences -- An Algorithm for Constructing a Fastest Galois NLFSR Generating a Given Sequence -- Acquisition Times of Contiguous and Distributed Marker Sequences: A Cross-Bifix Analysis -- Frequency Hopping -- Lower

Bounds on the Average Partial Hamming Correlations of Frequency Hopping Sequences with Low Hit Zone -- New Families of Frequency-Hopping Sequences of Length mN Derived from the k -Fold Cyclotomy -- Multiple Access Systems -- User-Irrepressible Sequences -- New Optimal Variable-Weight Optical Orthogonal Codes -- Invited Paper -- Recent Results on Recursive Nonlinear Pseudorandom Number Generators -- Linear Complexity -- A General Approach to Construction and Determination of the Linear Complexity of Sequences Based on Cosets -- On the Autocorrelation and the Linear Complexity of q -Ary Prime n -Square Sequences -- An Improved Approximation Algorithm for Computing the k -Error Linear Complexity of Sequences Using the Discrete Fourier Transform -- Finite Fields -- Transformations on Irreducible Binary Polynomials -- Power Permutations in Dimension 32 -- Character Sums -- Multiplicative Character Sums with Counter-Dependent Nonlinear Congruential Pseudorandom Number Generators -- Ternary Kloosterman Sums Modulo 18 Using Stickelberger's Theorem -- Merit Factor -- Appended m -Sequences with Merit Factor Greater than 3.34 -- FCSR -- A With-Carry Walsh Transform -- Clock-Controlled FCSR Sequence with Large Linear Complexity -- Vectorial Conception of FCSR -- Hadamard Matrices and Transforms -- Fourier Duals of Björck Sequences -- New Constructions of Complete Non-cyclic Hadamard Matrices, Related Function Families and LCZ Sequences -- Cryptography -- ?4-Nonlinearity of a Constructed Quaternary Cryptographic Functions Class -- A Public Key Cryptosystem Based upon Euclidean Addition Chains -- Optimal Authentication Codes from Difference Balanced Functions -- Invited Paper -- New Extensions and Applications of Welch-Bound-Equality Sequence Sets -- Statistical Analysis -- Evaluation of Randomness Test Results for Short Sequences -- Statistical Analysis of Search for Set of Sequences in Random and Framed Data -- Boolean Functions and Related Problems -- On the Nonlinearity of Discrete Logarithm in -- On a Conjecture about Binary Strings Distribution -- Nega-Hadamard Transform, Bent and Negabent Functions -- Synchronization of Boolean Dynamical Systems: A Spectral Characterization -- Nonbinary Sequences -- Some Constructions of Almost-Perfect, Odd-Perfect and Perfect Polyphase and Almost-Polyphase Sequences -- Almost p -Ary Perfect Sequences -- Sequences, Bent Functions and Jacobsthal Sums -- Infinite Sequences -- Infinite Sequences with Finite Cross-Correlation -- Invited Paper -- Reed Muller Sensing Matrices and the LASSO.
