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Soggetti	Cryptography Data encryption (Computer science) Computer vision Computer graphics Data structures (Computer science) Information theory Coding theory Computer science - Mathematics Discrete mathematics Cryptology Computer Vision Computer Graphics Data Structures and Information Theory Coding and Information Theory Discrete Mathematics in Computer Science
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Robust Watermarking Scheme for H.264 -- Detection of Double MPEG Compression Based on First Digit Statistics -- A Time Series Intra-Video Collusion Attack on Frame-by-Frame Video Watermarking -- A

Novel Real-Time MPEG-2 Video Watermarking Scheme in Copyright Protection -- Reversible Data Hiding Based On H.264/AVC Intra Prediction -- Scalability Evaluation of Blind Spread-Spectrum Image Watermarking -- Run-Length and Edge Statistics Based Approach for Image Splicing Detection -- Scale-Space Feature Based Image Watermarking in Contourlet Domain -- A Practical Print-and-Scan Resilient Watermarking for High Resolution Images -- Adaptive SVD-Based Digital Image Watermarking -- Robust Audio Watermarking Based on Log-Polar Frequency Index -- Adaptive Threshold Based Robust Watermark Detection Method -- A Digital Forgery Image Detection Algorithm Based on Wavelet Homomorphic Filtering -- Blind Detection of Digital Forgery Image Based on the Local Entropy of the Gradient -- Exposure Time Change Attack on Image Watermarking Systems -- Steganalysis Based on Difference Image -- A Novel Steganographic Algorithm Resisting Targeted Steganalytic Attacks on LSB Matching -- A Novel Approach for JPEG Steganography -- A High Capacity Steganographic Algorithm in Color Images -- A Novel Method for Block Size Forensics Based on Morphological Operations -- Non-malleable Schemes Resisting Adaptive Adversaries -- An Algorithm for Modeling Print and Scan Operations Used for Watermarking -- Space Time Block Coding for Spread Spectrum Watermarking Systems -- Formal Analysis of Two Buyer-Seller Watermarking Protocols -- Detection of Hidden Information in Webpage Based on Higher-Order Statistics -- Secret Sharing Based Video Watermark Algorithm for Multiuser -- GSM Based Security Analysis for Add-SS Watermarking -- Video Watermarking Based on Spatio-temporal JND Profile -- On the Performance of Wavelet Decomposition Steganalysis with JSteg Steganography -- Balanced Multiwavelets Based Digital Image Watermarking -- A Generalised Model for Distortion Performance Analysis of Wavelet Based Watermarking -- Multiple Watermarking with Side Information -- Content Sharing Based on Personal Information in Virtually Secured Space -- Evaluation and Improvement of Digital Watermarking Algorithm Based on Cryptographic Security Models -- A Color Image Watermarking Scheme in the Associated Domain of DWT and DCT Domains Based on Multi-channel Watermarking Framework -- An Efficient Buyer-Seller Watermarking Protocol Based on Chameleon Encryption -- First Digit Law and Its Application to Digital Forensics -- Digital Camera Identification from Images -- Estimating False Acceptance Probability -- Design of Collusion-Resistant Fingerprinting Systems: Review and New Results.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 7th International Workshop on Digital Watermarking, IWDW 2008, held in Busan, Korea, in November 2008. The 36 regular papers included in the volume were carefully reviewed and selected from 62 submissions. Areas of interest to the conference are mathematical modeling of embedding and detection; information theoretic, stochastic aspects of data hiding; security issues, including attacks and counter-attacks; combination of data hiding and cryptography; optimum watermark detection and reliable recovery; estimation of watermark capacity; channel coding techniques for watermarking; large-scale experimental tests and benchmarking; new statistical and perceptual models of content; reversible data hiding; data hiding in special media; data hiding and authentication; steganography and steganalysis; data forensics; copyright protection, DRM, and forensic watermarking; and visual cryptography.