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Soggetti	Cryptography Data encryption (Computer science) Algorithms Computer programming Multimedia systems Computer science - Mathematics Discrete mathematics Computer vision Cryptology Programming Techniques Multimedia Information Systems Discrete Mathematics in Computer Science Computer Vision
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	FPGA Time-Bounded Unclonable Authentication -- A Unified Submodular Framework for Multimodal IC Trojan Detection -- A Secure and Robust Approach to Software Tamper Resistance -- Security with Noisy Data -- Detection of Copy-Rotate-Move Forgery Using Zernike Moments -- Scene Illumination as an Indicator of Image Manipulation

-- Capacity of Collusion Secure Fingerprinting — A Tradeoff between Rate and Efficiency -- Short Collusion-Secure Fingerprint Codes against Three Pirates -- Tardos's Fingerprinting Code over AWGN Channel -- Steganalysis Using Partially Ordered Markov Models -- The Influence of the Image Basis on Modeling and Steganalysis Performance -- The Square Root Law in Stegosystems with Imperfect Information -- Using High-Dimensional Image Models to Perform Highly Undetectable Steganography -- Obtaining Higher Rates for Steganographic Schemes While Maintaining the Same Detectability -- Robust and Undetectable Steganographic Timing Channels for i.i.d. Traffic -- STBS: A Statistical Algorithm for Steganalysis of Translation-Based Steganography -- The Reverse Statistical Disclosure Attack -- Security Analysis of ISS Watermarking Using Natural Scene Statistics -- Provably Secure Spread-Spectrum Watermarking Schemes in the Known Message Attack Framework -- A New Spread Spectrum Watermarking Scheme to Achieve a Trade-Off between Security and Robustness.

## Sommario/riassunto

IH 2010 was the 12th Information Hiding Conference, held in Calgary, Canada, June 28–30, 2010. This series of conferences started with the First Workshop on Information Hiding, held in Cambridge, UK in May 1996. Since then, the conference locations have alternated between Europe and North America. The conference has been held annually since 2005. For many years, information hiding has captured the imagination of researchers. This conference series aims to bring together a number of closely related research areas, including digital watermarking, steganography and steganalysis, anonymity and privacy, covert and subliminal channels, fingerprinting and embedding codes, multimedia forensics and counter-forensics, as well as theoretical aspects of information hiding and detection. Since its inception, the conference series has been a premier forum for publishing research in these areas. This volume contains the revised versions of 18 accepted papers (incorporating the comments from members of the Program Committee), and extended abstracts of two (out of three) invited talks. The conference received 39 anonymous submissions for full papers. The task of selecting 18 of them for presentation was not easy. Each submission was reviewed by at least three members of the Program Committee or external reviewers reporting to a member of the Program Committee. In the case of co-authorship by a Program Committee member, review requests were sought. There is no need to say that no member of the Program Committee reviewed his or her own work. Each paper was carefully discussed until consensus was reached.