Table of Contents

A Robust Watermarking Scheme for H.264	1
Detection of Double MPEG Compression Based on First Digit Statistics	16
A Time Series Intra-Video Collusion Attack on Frame-by-Frame Video Watermarking	31
A Novel Real-Time MPEG-2 Video Watermarking Scheme in Copyright Protection	45
Reversible Data Hiding Based on H.264/AVC Intra Prediction	52
Scalability Evaluation of Blind Spread-Spectrum Image Watermarking	61
Run-Length and Edge Statistics Based Approach for Image Splicing Detection	76
Scale-Space Feature Based Image Watermarking in Contourlet Domain	88
A Practical Print-and-Scan Resilient Watermarking for High Resolution Images	103
Adaptive SVD-Based Digital Image Watermarking	113
Robust Audio Watermarking Based on Log-Polar Frequency Index Rui Yang, Xiangui Kang, and Jiwu Huang	124
Adaptive Threshold Based Robust Watermark Detection Method	139
A Digital Forgery Image Detection Algorithm Based on Wavelet Homomorphic Filtering	152

X

Blind Detection of Digital Forgery Image Based on the Local Entropy of the Gradient	161
Exposure Time Change Attack on Image Watermarking Systems	170
Steganalysis Based on Difference Image	184
A Novel Steganographic Algorithm Resisting Targeted Steganalytic Attacks on LSB Matching	199
A Novel Approach for JPEG Steganography	209
A High Capacity Steganographic Algorithm in Color Images Ting Li, Yao Zhao, Rongrong Ni, and Lifang Yu	218
A Novel Method for Block Size Forensics Based on Morphological Operations	229
Non-malleable Schemes Resisting Adaptive Adversaries	240
An Algorithm for Modeling Print and Scan Operations Used for Watermarking	254
Space Time Block Coding for Spread Spectrum Watermarking Systems	266
Formal Analysis of Two Buyer-Seller Watermarking Protocols David M. Williams, Helen Treharne, Anthony T.S. Ho, and Adrian Waller	278
Detection of Hidden Information in Webpage Based on Higher-Order Statistics	293
Secret Sharing Based Video Watermark Algorithm for Multiuser	303
GSM Based Security Analysis for Add-SS Watermarking	313

Table of Contents	XI
Video Watermarking Based on Spatio-temporal JND Profile	327
On the Performance of Wavelet Decomposition Steganalysis with JSteg Steganography	342
Balanced Multiwavelets Based Digital Image Watermarking Na Zhang, Hua Huang, Quan Zhou, and Chun Qi	350
A Generalised Model for Distortion Performance Analysis of Wavelet Based Watermarking	363
Multiple Watermarking with Side Information	379
Content Sharing Based on Personal Information in Virtually Secured Space	388
Evaluation and Improvement of Digital Watermarking Algorithm Based on Cryptographic Security Models	401
A Color Image Watermarking Scheme in the Associated Domain of DWT and DCT Domains Based on Multi-channel Watermarking Framework	419
An Efficient Buyer-Seller Watermarking Protocol Based on Chameleon Encryption	433
First Digit Law and Its Application to Digital Forensics (Invited Paper)	448
Digital Camera Identification from Images – Estimating False Acceptance Probability (Invited Paper)	454
Design of Collusion-Resistant Fingerprinting Systems: Review and New Results (Invited Paper)	469
Author Index	471