

Multimedia and Security Workshop 2004, Magdeburg, Germany



<http://www.acm.org>



ACM Multimedia and Security Workshop 2004
Magdeburg, Germany, September 20-21



[Workshop Home](#) [Workshop Program](#) [Charge for the Workshop / Registration](#) [Location / Hotels/Travel](#)

Workshop Program

Monday, September 20

Time	Topic	Person
9:30-10:00	Registration	
10:00-10:30	Welcome	Jana Dittmann
	Session: Steganography I	Session Chairs: Jana Dittmann
10:30-11:00	Perturbed Quantization Steganography Using Wet Paper Codes	Jessica Fridrich, Miroslav Goljan, David Soukal

11:00-11:30	A Hierarchical Protocol for Increasing the Stealthiness of Steganographic Methods	Mercan Topkara, Umut Topkara, Mikhail J. Atallah, Cuneyt Taskiran, Eugene Lin, Edward J. Delp
11:30-12:00	Statistical Characterisation of MP3 Encoders for Steganalysis	Rainer Boehme, Andreas Westfeld
12:00-13:00	Lunch Break	
	Session: Attack and Evaluation	Session Chairs: Andreas Lang
13:00-13:30	Quantization-based watermarking performance improvement using host statistics: AWGN attack case	Oleksiy Koval, Sviatoslav Voloshynovskiy, Fernando Perez-Gonzalez, Frederic Deguillame
13:30-14:00	An Improved Attack Analysis on A Public-Key Spread Spectrum Watermarking	Mustafa Kesal, M. Kivanc Mihcak, Ramarathnam Venkatesan
14:00-14:30	<u>Overcoming the obstacles of Zero-Knowledge Watermark Detection</u>	Andre Adelsbach, Markus Rohe, Ahmad-Reza Sadeghi
14:30-15:00	Coffee break	
	Session: Steganography II	Session Chairs: Jessica Fridrich
15:00-15:20	Adaptive Steganography Based on Dithering	Elke Franz, Antje Schneidewind
15:20-15:40	Hidden Markov Models and Steganalysis	Maxim Sidorov
15:40-16:00	Data Hiding on 3D Polygonal Meshes(Old: Efficient Steganography Based on Three-Dimensional Polygonal Meshes)	Y. Maret, T. Ebrahimi
16:00-16:20	Improving LSB Steganalysis using marginal and joint probabilistic distributions	Roue Benoit, Patrick Bas, Jean-Marc Chassery
16:20-16:40	Coffee break	
	Session: Security	Session Chairs: Ahmet Eskicioglu
16:40-17:00	A Geometric-Resilient Image Hashing System and Its Application Scalability	Chao-Yong Hsu, Chun-Shien Lu, C. Chun-Shien Lu L
17:00-17:20	Privacy Protection for Signed Media Files - A Separation-of-Duty Approach to the Lightweight DRM (LWDRM) System	Radiger Grimm, Patrick Aichroth
17:20-17:40	Are parameterised biorthogonal wavelet filters suited (better) for selective encryption?	Andreas Uhl, Andreas Pommer

17:40-18:00	Key-Assignment Strategies for CPPM	Andre Adelsbach, Joerg Schwenk
19:00-open end	Social Programme	
19:00-19:45	Visit to Magdeburg Cathedral incl. guided tour.	
20:00-open end	Diner at the Buttergasse Restaurant.	

Tuesday, September 21

Time	Topic	Person
8:30-9:00	Coffee	
9:00-10:00	Keynotes: Multimedia Security: The 22nd Century Approach!	Edward Delp
	Session: Watermarking Algorithms	Session Chairs: Claus Vielhauer
10:00-10:30	Informed detection of audio watermark for resolving playback speed modification	Michiel van der Veen, Aweke Lemma, Sylvain Beauget
10:30-11:00	Scale-Invariant Image Watermarking via Optimization Algorithms for Quantizing Randomized Statistics	Tie Liu, Ramarathnam Venkatesan, M. Kivanc Mihcak
11:00-11:30	Exploiting Self-Similarities to Defeat Digital Watermarking Systems - A case Study on Still Images	Gwenaë Doarr, Jean-Luc Dugelay, Lucas Granga
11:30-12:00	Wavelet-Based Blind Watermarking of 3D Models	Francesca Ucheddu, Massimiliano Corsini, Mauro Barni
12:00-13:00	Lunch Break	
	Session: Authentication I	Session Chairs: Patrik Bas
13:00-13:30	A Sensor-Based Multimedia Authentication System	Zheng Liu, Xue Li, Zhaoyang Dong
13:30-14:00	Reversible Watermarking of 2D-Vector Data	Michael Voigt, Bian Yang, Christoph Busch
14:00-14:30	Coffee Break	

	Session: Robust digital watermarking	Session Chairs: Edward Delp
14:30-14:50	Secure DWT-SVD Domain Image Watermarking: Embedding Data in All Frequencies	Emir Ganic, Ahmet M. Eskicioglu
14:50-15:10	Key-dependency for a wavelet-based blind watermarking algorithm	Michael Brachtl, Andreas Uhl, Werner Dietl
15:10-15:30	Digital Watermarks for 2D Vectordata	Gerrit Schulz, Michael Voigt
15:30-15:50	Counteracting oracle attacks	Ilaria Venturini
15:50-16:10	Digital image watermarking using Complex Wavelet Transform	Terzija Natasa, Geisselhardt Walter
16:10-16:30	Coffee break	
	Cont. Session: Robust digital watermarking	Session Chairs: Edward Delp
16:30-16:50	The digital watermarking container: Secure and efficient embedding	Martin Steinebach, Sascha Zmudzinski, Fan Chen
16:50-17:10	An audio watermarking scheme robust against stereo attacks	David Megias, Jordi Herrera-Joancomarti, Julia Minguillon
	Session: Authentication II	Session Chairs: Stefan Katzenbeisser
17:10-17:30	Fragile Watermarking Scheme Based on the Block-wise Dependency in the Wavelet Domain	Huayin Si, Chang-Tsun Li
17:30-17:50	Audio Watermarking Algorithm for Real-time Speech Integrity and Authentication	Song Yuan, Sorin A. Huss
17:50-18:00	Workshop Summary	

[Homepage ACM Multimedia and Security Workshop](http://sigmm.utdallas.edu/archive/MMSec/mmsec04/programme.html)

We wish to thank the following for their contribution to the success of this conference:

European Office of Aerospace
Research and
Development of the USAF



HiSponsoring
by
Microsoft
Research

2004 | [Webmaster](#)

