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Introduction

It is our pleasure to bring to you the papers presented at the eleventh Media Security and Forensics Conference. This year, after discussion and feedback from the program committee, we changed the name of the conference from "Security, Steganography, and Watermarking of Multimedia Contents" to Media Security and Forensics. We think the new name is more succinct and better reflects the broader scope that the conference has acquired over the years and will also serve us well as we continue to expand in the future. As usual we had a good number of quality submissions and unfortunately could not accommodate all the papers in the conference.

The goal of the conference, as always, was to provide a forum for the discussion of issues in multimedia security. We had papers that addressed protecting audio, image, and video content, along with many interesting papers in cryptography and applications.

The highlight of this year's conference was the three special sessions that were very well received by one and all. The special sessions and heir organizers were:

1. Media Fingerprinting by Regunathan Radhakrishnan, Dolby Labs., Inc.
2. Cryptographic Techniques for Content Protection, Dulce B. Ponceleon, IBM Almaden Research Ctr.
3. Watermarking by Adnan M. Alattar, Digimarc Corp and Jeffrey A. Bloom, THOMSON Corporate Research.

We would like to thank Regu, Dulce, Adnan and Jeffrey for an outstanding job.

A second novel feature of this year was the Digital Watermarking Best Paper Award 2009 sponsored by the Digital Watermarking Alliance.

The Chair of each session of the conference nominated outstanding papers from their session(s) for this Award, which will be reviewed by the Best Paper Selection Committee. The winning paper will be publicized in the 2009 Conference Proceedings, and the Award will be presented at Media Forensics and Security XII during Electronic Imaging 2010.

The following papers were nominated, all of which you will find in these proceedings:

1. Machine-assisted editing of user generated content. Markus Cremer, Randall Cook, Gracenote, Inc. (United States)
2. The square root law of steganographic capacity for Markov covers. Tomas Filler, Binghamton Univ. (United States); Andrew D. Ker, Univ. of Oxford (United Kingdom); Jessica Fridrich, Binghamton Univ. (United States)
3. Exhibition QIM-based watermarking for digital cinema. Pilar Callau, Rony M. Darazi, Benoît Macq, Univ. Catholique de Louvain (Belgium)

4. Protocols for data hiding in pseudo-random state. Scott A. Craver, Enping Li, Jun Yu, Binghamton Univ. (United States)
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8. Joint detection-estimation games for sensitivity analysis attacks. Maha M. El Choubassi, Pierre Moulin, Univ. of Illinois at Urbana-Champaign (United States)
9. High capacity color barcodes using dot orientation and color separability. Orhan Bulan, Univ. of Rochester (United States); Vishal Monga, Xerox Research Ctr. (United States); Gaurav Sharma, Univ. of Rochester (United States)
10. Enabling search over encrypted multimedia databases. Wenjun Lu, Ashwin Swaminathan, Avinash L. Varna, Min Wu, Univ. of Maryland, College Park (United States)

Congratulations to the above authors for their outstanding contributions and we eagerly await the award committee's final decision.

As we say every year, we have come a long way in protecting our "digital future," but we still have a lot of work to do. We would like to thank the Program Committee for their help in reviewing the papers and their advice on the final program.

We look forward to seeing you in 2010 in San Jose!

Edward J. Delp III
Jana Dittmann
Nasir D. Memon
Ping Wah Wong