Recent Publications
Edward Delp

Serial Journal Regular Articles

[1]   N.M. Nasab, M. Analoui, and E.J. Delp, "Robust and Efficient Image Segmentation Aproaches Using Markov Random Field Models," *Journal of Electronic Imaging*, Vol. 12, No. 1, January 2003, pp. 50-58.
[2]   C. Rusu, M. Tico, P. Kuosmanen, and E.J. Delp, "Classical Geometrical Approaches to Circle Fitting: Review and New Developments," *Journal of Electronic Imaging*, Vol. 12, Issue 1, January 2003, pp. 179-193.
[3]   E.T. Lin and E.J. Delp, "Temporal Synchronization in Video Watermarking," *IEEE Transactions on Signal Processing*, to appear.
[4]   G.W. Cook and E.J. Delp, "Gaussian Mixture Model for Edge-Enhance Images," *Journal of Electronic Imaging*, to appear.

Conference Proceedings and Presentations

[1]   L. Christopher, C.A. Bouman, and E.J. Delp, "New Approaches in 3D Ultrasound Segmentation," *Proceedings of the SPIE/IS&T Conference on Computational Imaging*, Santa Clara, CA, January 2003.
[2]   E.J. Delp, "Watermarking Evaluation: An Update," presented at the SPIE/IS&T Conference on Security and Watermarking of Multimedia Contents, Santa Clara, CA, January 2003.
[3]   E.T Lin and E.J. Delp, "Temporal Synchronization in Video Watermarking: Further Studies," *Proceedings of the SPIE/IS&T Conference on Security and Watermarking of Multimedia Contents*, Santa Clara, CA, January 2003.
[4]   M. Eskicioglu, S. Dexter, and E.J. Delp, "Protection of Multicast Scalable Video by Secret Sharing: Simulation Results," *Proceedings of the SPIE/IS&T Conference on Security and Watermarking of Multimedia Contents*, Santa Clara, CA, January 2003.
[5]   Y. Liu, P. Salama, and E.J. Delp, "Multiple Description Scalable Coding for Error Resilient Video Transmission over Packet Networks," *Proceedings of the SPIE/IS&T Conference on Image and Video Communications and Processing*, Santa Clara, CA, January 2003.
[6]   Z. Li and E.J. Delp, "Video Post-Processing Using 3D Huber-Markov Random Field Model," *Proceedings of the SPIE/IS&T Conference on Image and Video Communications and Processing*, Santa Clara, CA, January 2003.
[7]   Z. Li, F. Wu, S. Li, and E. Delp, "Wavelet Video Coding via a Spatially Adaptive Lifting Structure," *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, Hong Kong, April 2003.
[8]   Y. Liu, C. Podilchuk, and E. Delp, "Evaluation of Joint Source and Channel Coding over Wireless Networks," *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, Hong Kong, April 2003.
[9]   A. Albiol, L. Torres, and E. Delp, "The Indexing of Persons in News Sequences Using Audio-Visual Data," *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, Hong Kong, April 2003.
[10]   Z. Li and E.J. Delp, "Performance Optimization for Motion Compensated 2D Wavelet Video Compression Techniques," *Proceedings of the IEEE International Symposium on Circuits and Systems*, Bangkok, Thailand, May 2003.
[11]   Z. Li, G. Shen, S. Li, and E.J. Delp, "L-TFRC: An End-to-End Congestion Control Mechanism for Video Streaming over the Internet," *Proceedings of the IEEE*

International Conference on Multimedia and Expo (ICME), Baltimore, MD, July 2003, pp. 309-312.

[12]   Y. Liu, Z. Li, P. Salama, E.J. Delp, "A Discussion of Leaky Prediction Based Scalable Coding," *Proceedings of the IEEE International Conference on Multimedia and Expo (ICME)*, Baltimore, MD, July 2003, pp. 565-568.

[13]   C. Taskiran, I. Pollak, C. Bouman, and E.J. Delp, "Stochastic Models of Video Structure for Program Genre Detection," *Proceedings of the 8th International Workshop, VLVB 2003*, Madrid, Spain, September 18-19, 2003, pp. 84-92.

[14]   Y. Sun, C. Babbs, and E.J. Delp, "Two-Stage Classifier System of Normal Mammogram Identification," *Proceedings of SPIE Conference on Computational Imaging II*, San Jose, CA, January 2004, Vol. 5299.

[15]   S. Park and E.J. Delp, "Adaptive Lossless Video Compression," *Proceedings of the Visual Communications and Image Processing Conference*, San Jose, CA, January 2004, Vol. 5308.

[16]   Y. Lu and E.J. Delp, "Overview of Problems in Image-Based Location Awareness and Navigation," *Proceedings of the Visual Communications and Image Processing Conference*, San Jose, CA, January 2004, Vol. 5308.

[17]   Z. Li and E.J. Delp, "Universal Motion Prediction," *Proceedings of the Visual Communications and Image Processing Conference*, San Jose, CA, January 2004, Vol. 5308.

[18]   Y. Liu, P. Salama, G.W. Cook, and E.J. Delp, "Rate Distortion Analysis of Layered Video Coding by Leaky Prediction," *Proceedings of the Visual Communications and Image Processing Conference,* San Jose, CA, January 2004, Vol. 5308.

[19]   Z. Li and E.J. Delp, "Statistical Motion Prediction with Drift," *Proceedings of the Visual Communications and Image Processing Conference*, San Jose, CA, January 2004, Vol. 5308.

[20]   M. Taskiran, T. Martone, and E.J. Delp, "Text Alignment for Automatic Generation and Correction of Closed Captions," *Proceedings of the Storage and Retrieval Methods and Applications for Multimedia Conference*, San Jose, CA, January 2004, Vol. 5307.

[21]   H.C. Kim, H. Ogunleye, O. Guitart, and E.J. Delp, "Watermarking Evaluation Testbed (WET) at Purdue University," *Proceedings of the SPIE/IS&T Conference on Security, Steganography and Watermarking of Multimedia Contents*, San Jose, CA, January 2004, Vol. 5306.

[22]   K. Mikkilineni, G.N. Ali, P. Chiang, G.T.C. Chiu, J.P. Allebach, and E.J. Delp, "Signature-Embedding in Printed Documents for Security and Forensic Applications," *Proceedings of the SPIE/IS&T Conference on Security, Steganography and Watermarking of Multimedia Contents*, San Jose, CA, January 2004, Vol. 5306.

[23]   Y. Liu, B. Ni, X. Feng, and E.J. Delp, "LOT-Based Adaptive Image Watermarking," *Proceedings of the SPIE/IS&T Conference on Security, Steganography and Watermarking of Multimedia Contents*, San Jose, CA, January 2004, Vol. 5306.

[24]   T. Lin and E.J. Delp, "Spatial Synchronization Using Watermark Key Structure," *Proceedings of the SPIE/IS&T Conference on Security, Steganography and Watermarking of Multimedia Contents*, San Jose, CA, January 2004, Vol. 5306.

[25]   O. Guitart Pla, and E.J. Delp, "Wavelet Watermarking Algorithm Based on Tree Structure," *Proceedings of the SPIE/IS&T Conference on Security, Steganography and Watermarking of Multimedia Contents,* San Jose, CA, January 2004, Vol. 5306.