Publications

(With impact factor and number of citations (Total citations: 343, as available on Google Scholar) - January 2013)

Journals

J.1) **N. Khanna**, A. K. Mikkilineni, A. F. Martone, G. N. Ali, G. T.-C. Chiu, J. P. Allebach, and E. J. Delp, "A survey of forensic characterization methods for physical devices," Digital Investigation, vol. 3 supplement, pp. 17-28, September 2006. (**Impact Factor**: 0.507 , **Citations**: 58)

J.2) S. Kumar, R. Gupta, **N. Khanna**, S. Chaudhury, and S. D. Joshi, "Text extraction and document image segmentation using matched wavelets and MRF model," IEEE Transactions on Image Processing,, vol. 16, no. 8, pp. 2117-2128, August 2007. (**Impact Factor**: 3.042 , **Citations**: 36)

J.3) **N. Khanna**, A. K. Mikkilineni, and E. J. Delp, "Forensic camera classification: Verification of sensor pattern noise approach," Forensic Science Communications (FSC), vol. 11, no. 1, January 2009. (http://www.fbi.gov/about-us/lab/forensic-science-communications/index.htm **Impact Factor**: NA, **Citations**: 4)

J.4) N**. Khanna**, A. K. Mikkilineni, and E. J. Delp, "Scanner identification using feature-based processing and analysis," IEEE Transactions on Information Forensics and Security, vol. 4, no. 1, pp. 123-139, March 2009. (**Impact Factor**: 1.34, **Citations**: 30)

J.5) P.-J. Chiang, **N. Khanna**, A. K. Mikkilineni, M. V. O. Segovia, S. Suh, J. P. Allebach, G. T. C. Chiu, and E. J. Delp, "Printer and scanner forensics," IEEE Signal Processing Magazine, vol. 26, no. 2, pp. 72-83, March 2009. (**Impact Factor**: 4.066, **Citations**: 21)

J.6) A. H. Tayyebi, A. Tayyebi, and **N. Khanna**, "Assessing uncertainty dimensions in land-use change models: using swap and multiplicative error models for injecting attribute and positional errors in spatial data", International Journal of Remote Sensing, vol. 35, no. 1, pp. 149-170, 2014 (2012 **Impact Factor**: 1.138).

J.7) F. Zhu, M. Bosch, **N. Khanna**, C. J. Boushey, and E. J. Delp, "Multiple Hypotheses Image Segmentation and Classification with Application to Dietary Assessment," IEEE Journal of Biomedical and Health Informatics, vol. 19, no. 1, pp. 377-388, January 2015 (**Impact Factor**: 2.07).

J.8) H. E. Miller, **N. Khanna**, C. J. Boushey, S. Gelfand, and E. J. Delp, "Temporal dietary patterns derived among US adults using NHANES 1999-2004 are associated with diet quality," Journal of the Academy of Nutrition and Dietetics (JAND), Elsevier, Date of acceptance: May 2015 (To appear) (**Impact Factor**: 2.44).

Book Chapters

B.1) P.-J. Chiang, **N. Khanna**, A. K. Mikkilineni, M. V. O. Segovia, J. P. Allebach, G. T. C. Chiu, and E. J. Delp, Intelligent Multimedia Analysis for Security Applications. San Diego, CA: Academic Press, 2010, vol. 1, ch. Printer and Scanner Forensics: Models and Methods, editors: H. T. Sencar, N. Nikolaidis, S. Velastin, S. Lian. (**Citations**:2)

Peer Reviewed Conference Proceedings (Partial List)

International Conferences held Outside India (Scopus Indexed)

- S. Kumar, **N. Khanna**, S. Chaudhury, and S. D. Joshi, "Locating text in images using matched wavelets," Proceedings of Eighth International Conference on Document Analysis and Recognition., Seoul, Korea, August 2005. (**Citations**: 12)
- **N. Khanna**, A. K. Mikkilineni, G. T.-C. Chiu, J. P. Allebach, and E. J. Delp, "Scanner identification using sensor pattern noise," Proceedings of the SPIE International Conference on Security, Steganography, and Watermarking of Multimedia Contents IX, pp 595-599, Vol. 2, San Jose, CA, January 2007. (**Citations**: 57)
- **N. Khanna**, A. K. Mikkilineni, G. T.-C. Chiu, J. P. Allebach, and E. J. Delp, "Forensic classification of imaging sensor types," Proceedings of the SPIE International Conference on Security, Steganography, and Watermarking of Multimedia Contents IX, pp. 65050U, San Jose, CA, January 2007. (**Citations**: 22)
- **N. Khanna**, G. T. Chiu, J. P. Allebach, and E. J. Delp, "Scanner identification with extension to forgery detection," Proceedings of the SPIE International Conference on Security, Steganography, and Watermarking of Multimedia Contents X, vol. 6819, no. 1, pp. 68190G-10, San Jose, CA, January 2008, p. 68190G.
- **N. Khanna**, G. T. Chiu, J. P. Allebach, and E. J. Delp, "Forensic techniques for classifying scanner, computer generated and digital camera images," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Las Vegas, NV, March 2008, pp. 1653-1656. (**Citations**: 30)
- **N. Khanna**, A. Roca, G. T. C. Chiu, J. P. Allebach, and E. J. Delp, "Improvements on image authentication and recovery using distributed source coding," Proceedings of the SPIE International Conference on Security, Steganography, and Watermarking of Multimedia Contents XI, vol. 7254, no. 1, San Jose, CA, January 2009, p. 725415. (**Citations**: 7)
- **N. Khanna** and E. J. Delp, "Source scanner identification for scanned documents," First IEEE International Workshop on Information Forensics and Security (WIFS), London, UK, December 2009, pp. 166-170. (**Citations**: 7)
- A. K. Mikkilineni, **N. Khanna**, and E. J. Delp, "Texture based attacks on intrinsic signature based printer identification," Proceedings of the SPIE International Conference on Media Forensics and Security II, vol. 7541, no. 1, pp. 75410T-12, San Jose, CA, January 2010. (**Citations**: 2)
- **N. Khanna** and E. J. Delp, "Intrinsic signatures for scanned documents forensics: Effect of font shape and size," IEEE International Symposium on Circuits and Systems (ISCAS), pp. 3060-3063, Paris, France, May 2010.
- F. Zhu, M. Bosch, **N. Khanna**, C.J. Boushey, and E.J. Delp, "Multilevel Segmentation for Food Classification in Dietary Assessment," 7th International Symposium on Image and Signal Processing and Analysis (ISPA), pp. 337-342, Dubrovnik, Croatia, September, 2011. (**Citations**: 1)
- M. Bosch, F. Zhu, **N. Khanna**, C.J. Boushey, and E.J. Delp, "Combining Global and Local Features for Food Identification in Dietary Assessment," International Conference on Image Processing (ICIP), pp. 1789-1792, Brussels, Belgium, September, 2011. (**Citations**: 5)
- C. Xu, Y. He, **N. Khanna**, C. J. Boushey, and E. J. Delp, "Model-Based Food Volume Estimation Using 3D Pose", *IEEE International Conference on Image Processing (ICIP)*, pp. 2534-2538, Melbourne, Australia, 15-18 September 2013.

International Conferences held in India (Scopus Indexed)

- V. K. Verma and **N. Khanna**, "Indian Language Identification Using K-Means Clustering and Support Vector Machine (SVM)", *IEEE Students' Conference on Engineering and Systems (SCES),* MNNIT, pp.1 -5, Allahabad, India, 12-14 April 2013.