

## Suxia Cui

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### a. Education

Beijing Polytechnic University, China	Electrical Engineering	B.S., 1996
Beijing Polytechnic University, China	Electrical Engineering	M.S., 1999
Thesis: "Research on Laser Beam Quality Analysis and Evaluation System Using Digital Image Processing Tools"		
Mississippi State University	Computer Engineering	Ph.D., 2003
Dissertation: "Motion Estimation and Compensation in the Redundant Wavelet Domain"		

### b. Appointments

Jan. 2009 – present Assistant Professor, Electrical and Computer Engineering, Prairie View A&M University

Sept. 2003 – Dec. 2008 Assistant Professor, Engineering Technology, Prairie View A&M University

### c. Publications

- (1) Fowler, J. E., Cui, S., and Wang, Y., (October 2006) "Motion Compensation Via Redundant-Wavelet Multihypothesis," *IEEE Transactions on Image Processing*, vol. 15, pg. 3102-3113.
- (2) Cui, S., Wang, Y., and Fowler, J. E., (August 2006) "Motion Estimation and Compensation in the Redundant-Wavelet Domain Using Triangle Meshes," *Signal Processing: Image Communication*, vol. 21, pg. 586-598.
- (3) Wang, Y., Cui, S., and Fowler, J. E., (February 2006) "3D Video Coding with Redundant-Wavelet Multihypothesis," *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 16, No. 2, pg.166-177.
- (4) Wang, Y., Cui, S., Lian, J., and Akujuobi, C. M., (January 2009) "Image Object Removal in Redundant Wavelet Transform Domain," in *Proceedings of SPIE Conference on Image Processing: Algorithms and Systems VII*, San Jose, CA, January 2009, to appear.
- (5) Wang, Y., Cui, S., Lian, J., and Akujuobi, C. M., (July 2008) "Perceptual Masking Video Watermarking in 3D-RDWT Domain," in *Proceedings of the 2008 International Conference on Image Processing, Computer Vision, & Pattern Recognition*, Las Vegas, Nevada, July 2008, vol. I, pp. 112-116.
- (6) Cui, S., Wang, Y., Zhang, Y., and Akujuobi, C. M., (June 2008) "Laboratories Enhancement with LabVIEW-Based Graphical Development Tools," *ASEE annual conference & exposition*, Pittsburg, Pennsylvania, June 2008.
- (7) Cui, S., Wang, Y., Zhang, Y., and Akujuobi, C. M., (February 2008) "Hands-on DSP Lab Design for Technology Students," *TI Developer Conference*, Dallas, TX.
- (8) Cui, S., Wang, Y., and Fowler, J. E., (September 2003) "Multihypothesis Motion Compensation in the Redundant Wavelet Domain," in *Proceedings of the IEEE International Conference on Image Processing*, Barcelona, Spain, September 2003, vol. 2, pp. 53-56.