

**These publications are authored by the
Center for Advanced Communications research personnel.**

Journal Articles - 2007

- [1] Y. Zhang, M. G. Amin, and S. Kaushik, "Localization and tracking of passive RFID tags based on direction estimation," International Journal of Antennas and Propagation, vol. 2007, Article ID 17426, doi:10.1155/2007/17426, 9 pages, December 2007.
- [2] G. Wang, J. Zhang, M. Amin, and K. Max Wong, "Nested cooperative encoding protocol for wireless networks with High Energy Efficiency," IEEE Transactions on Wireless Communications, November 2007.
- [3] G. Wang, Y. Zhang, and M. G. Amin, "Space-time cooperation diversity using high-rate codes", Wireless Personal Communications, vol. 43, no. 2, pp. 313-326, October 2007.
- [4] W. Tao, H. Jin, and Y. Zhang, "Color image segmentation based on mean shift and graph cuts," IEEE Transactions on Systems, Man, and Cybernetics, Part B, vol. 37, no. 5, pp. 1382-1389, October 2007.
- [5] F. Ahmad, M. G. Amin, G. Mandapati, "Autofocusing of through-the-wall radar imagery under unknown wall characteristics," IEEE Transactions on Image Processing, Vol. 16, No. 7, pp. 1785-1795, July 2007.
- [6] Y. Zhang, G. J. Frazer, and M. G. Amin, "Concurrent operation of two over-the-horizon radars," IEEE Journal of Selected Topics in Signal Processing, special issue on Adaptive Waveform Design for Agile Sensing and Communication, vol. 1, no. 1, pp. 114-123, June 2007.
- [7] X. Li, X. Huang, Z. Nie, and Y. Zhang, "Equivalent relations between inter-channel coupling and antenna polarization coupling in polarization diversity systems," IEEE Transactions on Antennas and Propagation, vol. 55, no. 6, pp. 1709-1715, June 2007.
- [8] A. Hoorfar, "Evolutionary Programming in Electromagnetics Optimization," IEEE Transactions on Antennas and Propagation, Vol. 55, No. 3, pp. 523-537, 2007.
- [9] J. Harvest, A. S. Fleischer, R. D. Weinstein,, "Modeling of the Thermal Effects Of Heat Generating Devices In Close Proximity On Vertically Oriented Printed Circuit Boards For Thermal Management Applications," International Journal of Thermal Sciences International Journal of Thermal Sciences, Vol. 46, No. 3, pp. 253-261, 2007.
- [10] L. Liu and M. Amin, "Performance analysis of GPS receivers in non-Gaussian noise incorporating precorrelation filter and sampling rate" IEEE Transactions on Signal Processing, June 2007.
- [11] T. C. Kopec, R. D. Weinstein, A. S. Fleischer, E. D'Addio, and C. A. Bessel, "The Effects of Embedding Phase Change Materials with Graphite Nanofibers for the Thermal Management of Electronics," Journal of Heat Transfer, April 2007.
- [12] A. Hoorfar, "Evolutionary Programming in Electromagnetics Optimization," IEEE Transactions on Antennas and Propagation, Vol. 55, No. 3, pp. 523-537, March 2007.