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

Journal Articles - 2011

[1] C. Debes, J. Hahn, A.M. Zoubir and M. G. Amin, "Target discrimination and classification in Through-the-Wall Radar Imaging," IEEE Transactions on Signal Processing, vol. 59, pp. 4664-4676, October 2011.

[2] P. Setlur, F. Ahmad, M. G. Amin, "Helicopter radar return analysis: estimation and blade number selection signal processing," Signal Processing, vol. 91, no. 6, pp. 1409-1424, June 2011

[3] I. Orović, S. Stanković, and M. G. Amin, "A new approach for classification of human gait based on time frequency feature representations," Signal Processing, vol. 91, no. 6, pp. 1448-1456, June 2011.

[4] P. Setlur, M. G. Amin, and F. Ahmad, "Multipath model and exploitation in through-the-wall radar and urban sensing," IEEE Trans. GeoScience and Remote Sensing, vol. 49, pp. 4021-4034, May 2011.

[5] C. Thajudeen, A. Hoorfar, F. Ahmad, and T. Dogaru, "Measured complex permittivity of walls with different hydration levels and the effect on power estimation of TWRI target returns," Progress in Electromagnetics Research B, May 2011.

[6] P. Setlur, F. Ahmad, and M. G. Amin, "Maximum likelihood and suboptimal schemes for motion parameter estimation using carrier diverse Doppler radars," IET Signal Processing, vol. 5, no. 2, pp. 194-208, April 2011.

[7] Y.-S. Yoon, M. G. Amin, and F. Ahmad, "MVDR beamforming for through-the-wall radar imaging," IEEE Transactions on Aerospace and Electronic Systems, vol. 47, pp. 347–366, January 2011.

[8] R. M. Wynne, "Manufacturing Conditions for Microstructured and Nanostructured Optical Fibers," IEEE Journal of Lightwave Technology, January 2011.

[9] F. Soldevieri, F. Ahmad, and R. Solimene, "Validation of Microwave Tomographic Inverse Scattering Approach via Through-the-Wall Experiments in Semicontrolled Conditions," IEEE Geoscience and Remote Sensing Letters, January 2011.