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

Conferences - 2013

[1] Y. Zhang, M. G. Amin, F. Ahmad, and B. Himed, "'DOA Estimation Using a Sparse Uniform Linear Array with Two CW Signals of Co-prime Frequencies," Proceedings of the 5th IEEE Int. Workshop on Computational Advances in Multi-Sensor Adaptive Processing, Saint Martin, December 2013.

[2] F. Ahmad, M. G. Amin, and T. Dogaru, "A Beamforming Approach to Imaging of Stationary Indoor Scenes under Known Building Layout," Proceedings of the 5th IEEE Int. Workshop on Computational Advances in Multi-Sensor Adaptive Processing, Saint Martin, December 2013.

[3] Y. D. Zhang, M. G. Amin, and B. Himed, "Reduced interference time-frequency representations and sparse reconstruction of undersampled data," Proceeding of the European Signal Processing Conference, Marrakech, Morocco, September 2013.

[4] S. Subedi, Y. D. Zhang, M. G. Amin, and B. Himed, "Robust motion parameter estimation in multistatic passive radar," Proceeding of the European Signal Processing Conference, Marrakech, Morocco, September 2013.

[5] F. Ahmad, J. Qian, and M. G. Amin, "Wall mitigation using discrete prolate spheroidal sequences for sparse indoor image reconstruction," Proceeding of the 21st European Signal Processing Conference, Marrakech, Morocco, September, 2013.

[6] M. Wu, X. Dai, Y. D. Zhang, B. Davidson, J. Zhang, and M. G. Amin, "Fall detection based on sequential modeling of radar signal time-frequency features," Proceeding of the IEEE International Conference on Healthcare Informatics, Philadelphia, PA, September 2013.

[7] E. L. Targarona, M. G. Amin, F. Ahmad, and M. Nájar, "Correlation Matching Approach for Through-Wall Corner Detection," Proceedings of the 2nd Int. Workshop on Compressive Sensing Applied to Radar, Bonn, Germany, September 2013.

[8] M. Leigsnering, F. Ahmad, M. G. Amin, A. Zoubir, "General MIMO framework for multipath exploitation in through-the-wall radar imaging," Proceedings of the 2nd International Workshop on Compressive Sensing Applied to Radar, Bonn, Germany, September 2013.

[9] B. K. Chalise, Y. D. Zhang, and M. G. Amin, "Multi-beam scheduling for unmanned aerial vehicle networks," Proceeding of the IEEE/CIC International Conference on Communications in China, Xi'an, China, August 2013.

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[11] Y. D. Zhang, J. J. Zhang, **M. G. Amin**, and B. Himed, "Maneuvering target altitude tracking in over-the-horizon radars exploiting multipath Doppler signatures," Proceeding of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Vancouver, Canada, May 2013.

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[15] B. Jokanovic, M. G. Amin, S. Stankovic, "Instantaneous frequency estimation of randomly sampled nonstationary signals using compressive sensing," Proceedings of the <u>SPIE Symposium on Defense, Security, and Sensing, Compressive Sensing II Conference</u>, Baltimore, MD, April - May 2013.

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[21] X. Mao, D. Zhu, and Y. D. Zhang, "Knowledge-aided two-dimensional autofocus for synthetic aperture radar," Proceedings of the <u>IEEE Radar Conference</u>, Ottawa, Canada, April-May 2013.

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