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Journal Articles – 2016

- [1] S. Qin, Y. D. Zhang, and **M. G. Amin**, "DOA estimation of mixed coherent and uncorrelated targets exploiting coprime MIMO radar," Digital Signal Processing, special issue on Co-prime Array and Sampling, DOI information: 10.1016/j.dsp.2016.06.006, July 2016.
- [2] A. Golato, S. Santhanam, F. Ahmad, **M. G. Amin**, "Multimodal sparse reconstruction in guided wave imaging of defects in plates," Journal of Electronic Imaging, vol. 25, no. 4, July/August 2016.
- [3] S. Subedi, Y. D. Zhang, **M. G. Amin**, and B. Himed, "Group sparsity based multi-target tracking in passive multi-static radar system using Doppler-only measurement," IEEE Transactions on Signal Processing, vol. 64, no. 14, pp. 3619-3634, July 2016
- [4] **M. G. Amin**, X. Wang, Y. Zhang, F. Ahmad, and E. Aboutanios, "Sparse Arrays and Sampling for Interference Mitigation and DOA Estimation in GNSS," Proceedings of the IEEE, vol. 104, no. 6, June 2016.
- [5] **M. G. Amin**, P. Closas, A. Broumandan, J. Volakis, "Vulnerabilities, Threats, and Authentication in Satellite-Based Navigation Systems," Proceedings of the IEEE, vol. 104, no. 6, June 2016.
- [6] Y. Ma, T. Shan, Y. D. Zhang, **M. G. Amin**, R. Tao, and Y. Feng, "A novel two-dimensional sparse-weight NLMS filtering scheme for passive bistatic radar," IEEE Geoscience and Remote Sensing Letters, vol. 13, no. 5, pp. 676-680, May 2016.
- [7] A. Hassanien, **M. G. Amin**, Y. D. Zhang, and F. Ahmad, "Dual-function radar-communications: Information embedding using sidelobe control and waveform diversity," IEEE Trans. Signal Processing, vol. 64, no. 8, pp. 2168-2181, April 2016.
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- [10] Q. Wu, Y. D. Zhang, **M. G. Amin**, and B. Himed, "Space-time adaptive processing and motion parameter estimation in multi-static passive radar exploiting Bayesian compressive sensing," IEEE Transactions on Geoscience and Remote Sensing, vol. 54, no. 2, pp. 944 - 957, February 2016.
- [11] Y. Tang, Y. D. Zhang, **M. G. Amin**, and W. Sheng, "Design of wideband MIMO radar waveforms with low peak-to-average ratio," IET Radar, Sonar, and Navigation, vol. 10, no. 2, pp. 325-332, February 2016.
- [12] T. Shan, S. Liu, Y. D. Zhang, **M. G. Amin**, and R. Tao, "Efficient architecture and hardware implementation of coherent integration processor for DVB-based passive bistatic radar," IET Radar, Sonar, and Navigation, vol. 10, no. 1, pp. 97-106, January 2016.
- [13] G. Gennarelli, R. Solimene, F. Soldovieri, and **M. G. Amin**, "Three-dimensional through wall sensing of moving targets using passive multistatic radars," IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol. 9, no. 1, January 2016.