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## Center for Advanced Communications research personnel.

## Conferences - 2010

[1]  C. H. Seng, A. Bouzerdoum, F. H. C. Tivive and M. G. Amin. "Fuzzy logic-based image fusion for multi-view through-the-wall radar," Proceedings of the 2010 International Conf. on Digital Image Computing: Techniques and Applications, Sydney, Australia, December 2010.

[2]  X. Li and Y. D. Zhang, "Multi-Source Cooperative Communications Using Multiple Small Relay UAVs," Proceedings of the IEEE Globecom Workshop on Wireless Networking for Unmanned Aerial Vehicles Program, Miami, FL, December 2010.

[3]  J. Coompson, A. Colalillo, S. Twigg, and R. Wynne, "Multicore Photonic Crystal Fiber Thermal Sensors," Proceedings of the IEEE International Annual Conference on Sensors, Waikoloa, Hawaii, November 2010.

[4]  M. Reimlinger, A. Colalillo, J. Coompson, R. Wynne, "Multicore Photonic Crystal Fiber Anemometers," Proceedings of the IEEE International Conference on Sensors, Waikoloa, Hawaii, November 2010.

[5]  R. Demirli and J. Saniie, "Asymmetric gaussian chirplet model for ultrasonic echo analysis", 2010 IEEE International Ultrasonic Symposium, San Diego, CA, October 2010.

[6]  B. G. Mobasseri, R. S. Lynch, N. Chakilam "Watermarking sonar waveforms using knowledge of channel coherence," Proceedings of the 2010 IEEE OCEANS, Seattle, September 2010.

[7]  Y. D. Zhang, X. Li, and M. Amin, "Target localization in multipath environment through the exploitation of multi-frequency array," Proceedings of the 5th International Waveform Diversity & Design Conference, Niagara Falls, Canada,  August, 2010.

[8]  M. G. Amin, F. Ahmad, and W. Zhang, "Target RCS exploitations in compressive sensing for through-the-wall radar imaging," Proceedings of the 5th International Waveform Diversity & Design Conference, Niagara Falls, Canada, August 2010.

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[13]  F. Ahmad and M. G. Amin, "Maximin robust radar waveform design for detection of weapons," Proceedings of the 18th European Signal Processing Conference, Aalborg, Denmark, August 2010.

[14] C. Debes, C. Weiss, A.M. Zoubir and M.G. Amin, "Wall-Clutter Mitigation using Cross-Beamforming in Through-the-Wall Radar Imaging," Proceedings of the 18th European Signal Processing Conference, Aalborg, Denmark, August 2010.

[15] J. Yang, A. Bouzerdoum, and M. Amin, "Multi-view through-the-wall radar imaging using compressed sensing," Proceedings of the 18th European Signal Processing Conference, Aalborg, Denmark, August 2010.

[16] W. Zhang, A. Hoorfar, "Polarimetric Through-the-Wall Imaging," Proceedings of 2010 URSI Electromagnetic Theory Symposium (EMTS), August 2010.

[17] W. Zhang, M. Amin, F. Ahmad, A. Hoorfar, and G. Smith, "Compressive sensing for ultra-wideband radar through-wall imaging," Proceedings of the American Electromagnetics Conference (AMEREM), Ottawa, Canada, July 2010.

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[33] C. Thajudeen, A. Hoorfar, F. Ahmad, T. Dogaru, "An Aggregate Modeling and Measurement Approach for Power Estimation of Through-the-Wall Target Returns," Proceedings of the <u>SPIE Symposium on Defense, Security, and Sensing, Radar Sensor Technology XIV Conference</u>, Orlando, FL, April 2010.

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[42] C. Debes, C. Weiss, A. M. Zoubir, and M.G. Amin "Distributed target detection in through-the-wall radar imaging using the bootstrap", Proceedings of the <u>IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)</u>, Dallas, TX, March 2010.

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