Yanwu Ding

| | | | | | | | | Publications | | | | | | | | | |

J **a** **Pa** (* indicate student authors)

1.

1. Y. Ibdah*, Y. Ding, and Y.H. Ding \Shadowing in M2M Channels at 2100 and 700 MHz in Dense Scattering Environments", International Conference on Electronics, Communications and Networks (CECNET), Dec. 2014.

2. G. Bai*, Y. Ding, M. B. Yildirim, Y. H. Ding,\Short-term Prediction Models for Wind Speed and Wind Power", International Conference on Systems and Informatics (ICSAI), November, 2014.

3. Y. Ding, D. F. Parham, G. Tchankwe*, Y. H. Ding, "Automatic cycle identi cation in speaker's speech breathing signals", International Conference on Applied Mathematics, Modelling and Simulation (ICAMMS), 2014.

4. N. Wang*, V. Aravinthan, and Y. Ding, \Feeder-level fault detection and classi cation with multiple sensors: a smart grid scenario", IEEE Workshop on Statistical Signal Processing (WSSP), June 2014.

5. L. Li*, Y. Ibdah*, Y. Ding, H. Eghbali*, S. Muhaidat, and X. Ma, "Indoor Multi-wall Path Loss Model at 1.93 GHz," IEEE Military Communications Conference (MILCOM), Nov. 2013

6. Y. Bi*, Y, Ding, and H. M. Kwon, \Achievable Rate for Amplify and Forward Relay System at Low SNR", International Conference on Computing, Networking and Communications (ICNC), 2012.

7. Y. Ibdah*, Y. Ding, H. M. Kwon, K. Lee*, "Simulations on the statistical properties for cascaded Rayleigh fading channel" IEEE Military Communications (MILCOM) 2011, Baltimore, MD, Nov 7-10, 2011.

8. K. Lee*, H. M. Kwon, Y. Ding, Y. Ibdah*, Z. Wang*, \Noncooperative Distributed MMSE Relay Schemes under Jamming Environment and Node Geometry in Wireless Relay Networks" (Best Paper Award), *Tenth Annual Wireless Telecommunications Symposium (WTS*, New York City, New York, USA, April 13-15, 2011.

9. C. Li*, D. F. Parham, Y. Ding, \ Cycle Detection in Speech Breathing Signals", *3rd Annual ORNL Biomedical Science and Engineering Conference*, Knoxville, TN, 2011

10. Z.Wang*, D. F. Parham, Y. Ding, \Identifying Cycles in Speech-Breathing Signals", The American Speech-Language-Hearing Association (ASHA), Nov. 2011.

11. Y. Ding, Z. Wang*, D. F. Parham, and K. Lee*, \Cycle Identi cation and Artifact Detection inTidal Breathing Signal," *the 5th International Conference on Bioinformatics and Biomedical Engineering*, (iCBBE), Wuhan, China, 2011

12. K. Lee*, H. M. Kwon, Y. Ding, Y. Ibdah*, Z. Wang*, and Y. Bi*, "Node geometry and broadband jamming in noncooperative relay networks under received power constraint," IEEE Sarno Symposium 2011, Princeton, NJ, May 3-4, 2011.

13. Z. Wang*, H. M. Kwon, Y. Ding, K. Lee*, and Y. Ibdah*, "Amplifying matrix design for distributed noncooperative SIMO wireless relay networks under jamming environment," IEEE Asia Modelling Symposium (AMS) 2011, Manila, Philippines, May 23-27, 2011.

14. Y. Ibdah*, H. M. Kwon, Y. Ding, K. Lee*, "Noncooperative AF schemes for wireless mobile networks under jamming environment," IEEE MILCOM 2011, Baltimore, MD, Nov 7-10, 2011.

15. Y. Ding, and H. M. Kwon, \Two-User Relay Transmission with Shorter Delay", *Proc. IEEE International Conference on Communication (ICC)*, 2010.

16. H. Wu*, Y. Ding, and H. M. Kwon, \Phase Synchronization for Distributed Sensor Networks in Feedback Bit Errors", *Proc. IEEE International Conference on Wireless communications, Netowrking and Information Security (WCNIS)*, Beijing, China, 2010.

17. Y. Sagar*, H.M. Kwon, and Y. Ding, Capacity of Modulo-Sum Simple Relay Network, *International Zurich Seminar on Communications*, Zurich, Switzerland, March 3-5, 2010.

18. Y. Ding and M. Uysal, "Optimum power loading for non-coherent frequency-selective relay channels", *Proc. IEEE International Military Communication Conference (MILCOM)*, Boston, MA., 2009.

19. Y. Ding and M. Uysal, "Multi-relay cooperative OFDM with amplify-and-forward relaying," (invited paper), *Proc. IEEE Radio and Wireless Symp. (RWS). San Diego, Jan. 2009.* Citation 5 (scholargoogle.com).

20. Y. Ding, J.-K. Zhang, and K. M. Wong, "Optimal precoder for Amplify-Forward Half-Duplex Cooperative System", *Proc. IEEE Int. Conf. Acoustics, Speech, Signal Processing*, 2007.

21. Y. Ding, J.-K. Zhang and K. M. Wong, "The Amplify-and-Forward Half-Duplex Cooperative System: Pairwise Error Probability and Pre- coder Design", *Proc. First IEEE International Workshop on Computational Advances in Multi-Sensor Adaptive Processing, 2005.*

22. Y. Ding, T. N. Davidson and K. M. Wong, "Orthogonal Block Code Design for Frequency-Selective Multiple Antenna Channels," *in Proc. IEEE Sensor Array and Multichannel Signal Processing Workshop, June, 2004.*

23. Y. Ding, T. N. Davidson and K. M. Wong, "On Improving the BER Performance of Rate-Adaptive Block Transceivers, with Applications to DMT," *in Proc. IEEE GLOBE Commun. Conf. (GLOBECOM), vol. 3, pp. 1654- 1658, 2003.* Citation 9 (scholargoogle.com).

24. Y. Ding, T. N. Davidson, J.-K. Zhang, Z.-Q. Luo and K. M. Wong, "Minimum BER Block Precoders for Zero-forcing Equalization," *in Proc. Int. Conf. Acoustics, Speech, Signal Processing, vol. 3, pp. 2261-2264, 2002.*

T a R

1. L. Li*, Y. Ding,"Review of popular indoor path loss models for radio frequencies", Electrical Engineering and Computer Science, Wichita State University, Nov. 2012

2. G. Bai*, Y. Ding, and M. Yildirim, "Near term wind speed and power predictions for wind turbines", Electrical Engineering and Computer Science, Wichita State University, Apr. 2012

3. Y. Bi*, Y. Ding, "Derivation of the higher terms in the ergodic channel capacity of the AF relay system", Apr. 2011