

SELECTED PEER-REVIEWED RESEARCH PUBLICATIONS

PhD Thesis

Title: Massive MIMO wireless systems under an RF chains constraint

Available Online:

www.researchonline.mq.edu.au/vital/access/manager/Repository/mq:70232

Journal Articles

Thomson Reuters' Recognized:

[J1] M. Ahmad, H. M. Tanveer, **Z. A. Shaikh**, F. Zeeshan, U. S. Bajwa, "A Penalized-Likelihood Image Reconstruction Algorithm for Positron Emission Tomography Exploiting Root Image Size," Int'l J. Advan. Comp. Science and Appl. (IJACSA), Volume 9 Issue 4, 2018.

HEC Recognized:

[J1] A. Khan, N. Butt, **Z. A. Shaikh**, "Performance Evaluation and Optimization of Stepped Impedance and Stub-based Low-pass Filters for S-Band Applications ", BUJICT, Article in Press, 2018.

International Conference Proceedings

[C6] S. V. Hanly, I. B. Collings, **Z. A. Shaikh**, , P. A. Whittings, "Law of Large Numbers Analysis of Antenna Selection aided Downlink Beamforming in Massive MISO under RF Chains Constraint," Proc. Australian Communication Theory Workshop (Workshop 2016), Melbourne, Australia.

[C5] **Z. A. Shaikh**, I. B. Collings, S. V. Hanly, P. A. Whittings, "Compressive Sensing aided Data Detection for MIMO ISI Wireless Channels", Proc. IEEE Int'l Conf. Commun. (ICC 2015), London, UK.

[C4] **Z. A. Shaikh**, S. V. Hanly, I. B. Collings, "Analysis of Adaptive Least Squares Filtering in Massive MIMO", Proc. Australian Communication Theory Workshop (Workshop 2014), Sydney, Australia.

[C3] **Z. Azmat** et al, "Power Allocation for Gaussian Mixture Model Prior Knowledge in Wireless Sensor Networks" Proc. Int'l. Conf. Acoustics, Speech & Signal Processing (ICASSP 2013), Vancouver, Canada.

[C2] U. Farooq, M. H. Atiq, M. U. Asad, A. Iqbal, **Z. Azmat**, "Design and Development of an Image Processing based Adaptive Traffic Control System with GSM interface," Proc. IEEE Int'l Conf. Mach. Vision (ICMV'09), Dubai, UAE.

[C1] **Z. Azmat** et al, "Spectrum sensing performance of Bi-threshold detector in Rayleigh and Rician Fading Environments," Proc. IEEE Int'l Conf. Current Trends Inf. Technol. (CTIT'09), Dubai, UAE.