

1 Personal Info

Dr: Mohamed Nuri Ahmed Hussin Sebha, Libya /•Moh.emhamed@sebhou.edu.ly/•Occupancy Lecturer in EEE department, Faculty of Engineering, Sebha University

2 Skills

• Matlab 5+ years in simulating DSP algorithms, experience in Simulink and GUI /• VHDL 2+ year in simulating functional modules using xilinx ISE Design Suite /• Hands-on experience with RF devices, oscilloscopes, spectrum analyzers and logic analyzers. Solid understanding of digital communications, wireless communications, beams forming, MIMO systems, OFDM, CDMA, Digital control, filter design, Bayesian estimation, probability and information theory.

3 Previous Experience

Medical Equipment Maintenance, (1990-1995) /• Company of General Communications (1996-2003)/• Lecturer Assistant in EEE department, Faculty of Engineering, Sebha University (2006)

4 Education

Ph.D. Electronic and Electrical Engineering, 2013, Dissertation: Diversity gain enhancement for EO-STBC over time-varying channels, University of Strathclyde, Uk./• Graduate Diploma for English Post graduate Studying, 2009, University of Strathclyde, Uk./• M.S. Electronic and Electrical Engineering, 2003, Dissertation: UMTS Network Planning, Budapest University of Technology, Hungary. /• B.S. Electrical Engineering, 1988, Benghazi University

5 Selected Publications

- W. Al-Hanafy, M. N. Hussin, and S.Weiss, "Incremental rate maximisation power loading with BER improvements," in 18th European Signal Processing Conference, 2010.
- M. N. Hussin and S. Weiss, "Extended orthogonal space-time block coded transmission with quantised differential feedback," in 7th IEEE International Symposium on Wireless Communication Systems, September 2010.
- M. N. Hussin and S. Weiss, "Channel estimation and tracking for closed loop EO-STBC with differentially encoding feedback," in 11th IEEE International Symposium on signal processing and information technology, December 2011.
- M. N. Hussin, A. Solomon, S. Weiss, and J. Soraghan, "Fractional Fourier transformer based on extended orthogonal space-time coding for multicarrier system over doubly-dispersive channel ," in 9th IEEE International Symposium on Wireless Communication Systems, 2012.
- M. N. Hussin, M. Alrmah, and S. Weiss, " Distributed Closed-Loop EO-STBC for a time-varying Relay Channel Based on Kalman Tracking ," in 9th IMA International Conference on Mathematics in Signal Processing, 2012.
- M. Alrmah, M. N. Hussin, S. Weiss, and S. Lambbotharan, "Comparison of Broadband Direction of Arrival Estimation Algorithms ," in 9th IMA International Conference on Mathematics in Signal Processing, 2012.