**Haider Ali Jasim Alshamary**

Department of Communication Engineering

University of Diyala, Baqubah, Iraq

**EDUCATION**

**The University of Iowa**, Iowa City, IA January 2011 – May 2017

Ph.D. candidate in Electrical and Computer Engineering

**The University of Technology**, Baghdad, Iraq August 2004 – January 2007

Masters in Electronics Engineering

**Diyala University**, Diyala, Iraq August 2000 – May 2004

Bachelors in Electronics Engineering

**HONORS AND AWAWRDS**

**HCED Scholarship** January 2011 – May 2016

Awarded to top Iraqi students

**Guest Lecturer at the University of Iowa** Spring 2015 & Spring 2016

Communication Systems / Theory

**Diyala University, College of engineering** June 2004

Achieved highest GPA in graduating class

**PUBLICATIONS**

1. Haider Ali Jasim Alshamary, and Weiyu Xu, **Efficient Optimal Joint Channel Estimation and Data Detection for Massive MIMO Systems.** International Symposium on Information Theory (ISIT), 2016.
2. Haider Ali Jasim Alshamary, Tareq Al-Naffouri, Alam Zaib, and Weiyu Xu, **Optimal Non-coherent Data Detection for Massive SIMO Wireless Systems with General Constellations: A Polynomial Complexity Solution.** Submitted to IEEE Transactions on Signal Processing, 2016.
3. Haider Ali Jasim Alshamary, Tareq Al-Naffouri, Alam Zaib and Weiyu Xu, **Optimal non-coherent data detection for massive SIMO wireless systems: A polynomial complexity solution**. *Proceedings of IEEE* Signal Processing and Signal Processing Education Workshop, pp. 172-177,2015.
4. Haider Ali Jasim Alshamary, and Weiyu Xu, **Maximum-likelihood joint channel estimation and data detection for space time block coded MIMO systems**. Proceedings of Asilomar conference on Signals, Systems and Computers, pp. 962-965, 2014.
5. Babak Hassibi, Morten Hansen, Alexandros Georgios Dimakis, Haider Ali Jasim Alshamary and Weiyu Xu, **Optimized Markov Chain Monte Carlo for Signal Detection in MIMO Systems: An Analysis of the Stationary Distribution and Mixing Time**. IEEE Transactions on Signal Processing. vol. 62, no. 17, pp. 4436-4450, 2014.