## **Education Background**

#### **University of Wisconsin-Madison**

**▶ PhD of Electrical Engineering** (Sept.2017- May.2021)

#### **Beijing University of Posts and Telecommunications (BUPT)**

- **▶ Bachelor of Engineering** in Information Engineering (*Sept.2010 Jun. 2014*) Ranking: 19/175
- ➤ Master of Science in Information and Communication Engineering (Sept.2014 Mar.2017) Ranking: 1/775

## **Work Experience**

> Engineering Intern (iCDG, Intel, Beijing)

Feb.2017 - July.2017

Overall GPA: 4.0/4.0

• As a member of Multefire RAN1, I have been participating in proposing contributions about new designs of EPDCCH, PRACH, PUCCH and SRS etc. for eMTC-U system. I have finished at least 5 PCT patents during the internship.

# **Publications**

- J. Zhang, Z. He, P. Chen, Y. Rong, "A compressive sensing based iterative algorithm for channel and impulsive noise estimation in underwater acoustic OFDM systems.", *IEEE OCEANS* 2017, pp. 1-5, 2017.
- J. Zhang, K. Niu and Z. He, "Multi-layer distributed Bayesian compressive sensing based blind carrier-frequency offset estimation in uplink OFDMA systems," 2016 IEEE International Conference on Communications (ICC), Kuala Lumpur, 2016, pp. 1-5.
- Z. He, J. Zhang, W. Liu and Y. Rong, "New Results on Transceiver Design for Two-Hop Amplify-and-Forward MIMO Relay Systems With Direct Link," in IEEE Transactions on Signal Processing, vol. 64, no. 20, pp. 5232-5241, Oct.15, 15 2016.
- J. Zhang, Z. He, W. Liu and Y. Rong, "Two-hop AF MIMO Relay Systems with Direct Link Transceiver Design Based on New Protocol", TENCON 2016 2016 IEEE Region 10 Conference, pp. 1807-1810, 2016.
- J. Zhang, Y. Li, K. Niu, "Iterative Channel Estimation Algorithm Based on Compressive Sensing for GFDM", IEEE International Conference on Network Infrastructure and Digital Content 2016, pp. 244-248, 2016.

### **Patents**

- Kai Niu, Jinnian Zhang. A CFO estimation method, device and system in OFDM systems: China, PCT/CN2016/098779.
- Xiangdong You, Xingguan Qi, Jinnian Zhang, Dan Zhang, Juhuan Fan, Luxing Yao. A real time meteorological information service system: China, CN201320428417.9, Publication Patent Date: CN203313409U [P]. 2013-11-27.

### **Honors and Awards**

•	ECE 2017 Chancellors Opportunity Fellowship (COF)	Sept. 2017
•	National Scholarship (Top 5%)	Oct. 2016
•	The Qualcomm Innovation & Entrepreneurship Scholarship (1/775)	Dec. 2015
•	The First Prize Scholarship (trice) (Top 10%)	Sep. 2016&2015&2013
•	The Outstanding Graduate (Beijing) (Top 5%)	Jun. 2014
•	The Second Prize in the National Undergraduate Electronics Design Contest (Top 109	Sept. 2013