

# Hao Li

## Personal

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## Education

11/2019-current	Visiting scholar Ohio State University Advisor: Prof. DeLiang Wang.
9/2017-current	Ph.D Candidate, Computer Science Dept. Inner Mongolia University, China Advisor: Prof. Xueliang Zhang and Prof. Guanglai Gao
9/2014-7/2017	M.S., Computer Science Dept. Inner Mongolia University, China Advisor: Prof. Xueliang Zhang
9/2010-7/2014	B.S., Computer Science Dept. Inner Mongolia University, China Advisor: Prof. Xueliang Zhang

## Research Areas

- Speech separation
- Microphone array speech signal processing
- Deep learning

## Publications

1. Shuai Nie, Shan Liang, **Hao Li**, Xueliang Zhang, Zhanlei Yang, Wenju Liu, Kedong Li. Exploiting spectro-temporal structures using NMF for DNN-based supervised speech separation. ICASSP 2015.
2. **Hao Li**, Shuai Nie, Xueliang Zhang, Hui Zhang. Jointly Optimizing Activation Coefficients of Convolutional NMF Using DNN for Speech Separation. INTERSPEECH 2016.
3. Shasha Xia, **Hao Li**, Xueliang Zhang. Using optimal ratio mask as training target for supervised speech separation. APSIPA 2017.
4. Qinglong Li, Xueliang Zhang, **Hao Li**. Online Direction of Arrival Estimation Based on Deep Learning. ICASSP 2018.
5. Fei Zhao, **Hao Li**, Xueliang Zhang. A Robust Text-independent Speaker Verification Method Based on Speech Separation and Deep Speaker. ICASSP 2019. (**equal contribution**)
6. **Hao Li**, Xueliang Zhang, Guanglai Gao. Dynamic-attention based Encoder-decoder model for Speaker Extraction with Anchor speech. APSIPA 2019.
7. Tianjiao Xu, **Hao Li**, Hui Zhang, Xueliang Zhang. Improve Data Utilization with Two-stage Learning in CNN-LSTM-based Voice Activity Detection. APSIPA 2019.
8. **Hao Li**, Xueliang Zhang, Guanglai Gao. Beamformed Feature for Learning-based Dual-channel Speech Separation. ICASSP 2020.
9. Shulin He, **Hao Li**, Xueliang Zhang. Speakerfilter: Deep Learning-based Target Speaker Extraction Using Anchor Speech. ICASSP 2020. (**equal contribution**)
10. **Hao Li**, DeLiang Wang, Xueliang Zhang, Guanglai Gao. Frame-level Signal-to-Noise Ratio Estimation using Deep Learning. INTERSPEECH 2020.
11. **Hao Li**, Xueliang Zhang, Guanglai Gao. Robust Speech Dereverberation Based on WPE and Deep Learning. APSIPA 2020.
12. **Hao Li**, Xueliang Zhang, Guanglai Gao. Guided Training: A Simple Method for Single-channel Speaker Separation. <http://arxiv.org/abs/2103.14330>.

## Awards

- Scholarship of Inner Mongolia University 2014
- Scholarship of Inner Mongolia University 2015
- National scholarship 2016
- Scholarship of Inner Mongolia University 2017
- Scholarship of Inner Mongolia University 2018