

# Haoyu Li

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## Education

<b>Xi'an Jiaotong University</b> - Institute of Artificial Intelligence and Robotics	Xi'an, China
Ph.D. in Artificial Intelligence	06/2023 - 01/2025 (now)
<b>Northwest University</b> - School of Information Science and Technology	Xi'an, China
M.S. in Computer Science	09/2020 - 06/2023
<b>Northwest University</b> - School of Information Science and Technology	Xi'an, China
B.Eng. in Electronics Engineering	09/2016 - 06/2020

## Publications

- [1] **Haoyu Li**, Hao Wu\*, Badong Chen\*, NeuralDiffuser: Neuroscience-inspired Diffusion Guidance for fMRI Visual Reconstruction, *IEEE Transactions on Image Processing*, 2025. CCF-A
- [2] Peng Yu, Xiaopeng He, **Haoyu Li**, Haowen Dou, Yeyu Tan, Hao Wu\*, Badong Chen\*, FMLAN: A novel framework for cross-subject and cross-session EEG emotion recognition, *Biomedical Signal Processing and Control*, 2024.
- [3] Xue Sun, Jie Xiong, Chao Feng, **Haoyu Li**, Yuli Wu, Dingyi Fang, Xiaojiang Chen, EarSSR: Silent Speech Recognition via Earphones, *IEEE Transactions on Mobile Computing*, 2024. CCF-A
- [4] Xiaopeng He†, **Haoyu Li**†, Peng Yu, Hao Wu\*, Badong Chen\*, DP-MP: a novel cross-subject fatigue detection framework with DANN-based prototypical representation and mix-up pairwise learning, *Journal of Neural Engineering*, 2024.
- [5] **Haoyu Li**, Xuan Wang, Tong Liu, Dingyi Fang\*, Baoying Liu, Hybrid HMM Decoder for Convolutional Codes by Joint Trellis-Like Structure and Channel Prior, *IEEE Transactions on Cognitive Communications and Networking*, 2022.
- [6] Xuan Wang, Xin Kou, **Haoyu Li**, Fuwei Wang, Dingyi Fang, Yunfei Ma, Xiaojiang Chen, AllSpark: Enabling Long-Range Backscatter for Vehicle-to-Infrastructure Communication, *IEEE Internet of Things Journal*, 2022.