Wanqi Zhou

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Xi'an, Shannxi - China

EDUCATION

• **Xi'an Jiaotong University** *Sept. 2019 - Jun. 2025*
Ph.D. candidate. of Control Science and Technology Shaanxi, China
  ◦ Advisor: Badong Chen
  ◦ Research Interests: Causal discovery; Information Theory; Domain Adaptation; Domain Generalization.

• **RIKEN Center for Advanced Intelligence Project** [⊕] *Aug. 2023 - Nov. 2024*
International Program Associate (IPA) in Tensor Learning Team Tokyo, Japan
  ◦ Advisor: Qibin Zhao
  ◦ Research Interests: Causal discovery; Adversarial Defense.

• **Shandong University** *Sept. 2015 - Feb. 2019*
Bachelor of Engineering Shandong, China
  ◦ Thesis title: Stochastic Fourier Adaptive Algorithm based on MEE-MCC.

PUBLICATIONS
C=Conference, J=Journal, S=In Submission

[C.1] **Wanqi Zhou**, Shuanghao Bai, Shujian Yu, Qibin Zhao, Badong Chen. Jacobian Regularizer-based Neural Granger Causality. In International Conference on Machine Learning (ICML). 2024. [Paper] [⭕]

[J.1] **Wanqi Zhou**, Shujian Yu, Badong Chen. Causality Detection with Matrix-based Transfer Entropy. In Information Sciences (INS). 2022. [Paper] [⭕]

[S.1] **Wanqi Zhou**, Shuanghao Bai, Danilo P. Mandic, Qibin Zhao, Badong Chen. Revisiting the Adversarial Robustness of Vision Language Models: a Multimodal Perspective. ArXiv preprint arXiv:2404.19287. [Paper] [⭕]

[S.2] **Wanqi Zhou**, Shuanghao Bai, Yicong He, Badong Chen. An Information-Theoretic Approach for Heterogeneous Differentiable Causal Discovery. ssrn:4837242. [Paper]

[C.2] Shuanghao Bai, Yuedi Zhang, **Wanqi Zhou**, Zhirong Luan, and Badong Chen. Soft Prompt Generation for Domain Generalization. In European Conference on Computer Vision (ECCV). 2024. [Paper] [⭕]

[C.3] Shuanghao Bai, Min Zhang, **Wanqi Zhou**, Siteng Huang, Zhirong Luan, Donglin Wang, and Badong Chen. Prompt-based Distribution Alignment for Unsupervised Domain Adaptation. In Proceedings of the AAAI Conference on Artificial Intelligence (AAAI). 2024. [Paper] [⭕]

[C.4] Shuanghao Bai, **Wanqi Zhou**, Zhirong Luan, Donglin Wang, and Badong Chen. Improving Cross-domain Few-shot Classification with Multilayer Perceptron. In IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). 2024. [Paper] [⭕]

[C.5] Haoran Zhang, Shuanghao Bai, **Wanqi Zhou**, Jingwen Fu, and Badong Chen. PromptTA: Prompt-driven Text Adapter for Source-free Domain Generalization. In IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). 2025. [Paper] [⭕]

HONORS AND AWARDS

• **Outstanding Graduate Student of Xi'an Jiaotong University.** *Dec. 2023*
• **Outstanding Graduate Student of Xi'an Jiaotong University.** *Dec. 2022*
• **National First Prize in the BCI Brain-Controlled Robot Competition at the 2021 World Robot Competition.** *Sep. 2021*
• **Outstanding Graduate Student Cadres of Xi'an Jiaotong University.** *Dec. 2020*
• **Outstanding Undergraduate Graduates of Shandong University** *Dec. 2019*
• **National First Prize in the Photoelectric Four-Wheel Group, The 13th National College Student NXP Intelligent Car Competition.** *Sep. 2018*
• **National Scholarship** *Sep. 2018, 2016*

ACADEMIC SERVICE

• **Conference Reviewer:** ACM MM 2024, ACML 2024, ICDM 2024, AAAI 2025, CVPR 2025

SKILLS

• **Programming Languages:** Python, MATLAB, Pytorch, C, LaTeX
• **Languages:** Mandarin Chinese, English