

Hansong Zhang

Ph.D. Candidate at Institute of Information Engineering, Chinese Academy of Sciences
School of Cyber Security, University of Chinese Academy of Sciences
19 Shucun Road, Haidian District, Beijing, China 100085

✉ zhanghansong@iie.ac.cn
🎓 Google Scholar
🏠 Homepage

BIOGRAPHY

I am a third-year bachelor-straight-to-Ph.D. student at Institute of Information Engineering, Chinese Academy of Sciences. Before that, I received my bachelor's degree from North China Electric Power University, where I was working on Nonlinear Dynamics and AI4science. My current research interests lie in **data-centric AI**. Recently, I focus on the following topics:

- Learning from Crowds (Learning from Multiple Annotators)
- Dataset Condensation (Dataset Distillation)
- Coreset Selection

EDUCATION

Institute of Information Engineering, Chinese Academy of Sciences, China

09/2021 – present

Ph.D. Candidate in Applied Computer Technology

Advised by Prof. Shiming Ge [Google Scholar]

North China Electric Power University, China

09/2017 – 06/2021

B.Sc. in School of Mathematics and Physics

Rank 1st in 51

Advised by Prof. Lei Wang [Google Scholar]

PUBLICATIONS

Ph.D. Candidate

- **DANCE: Dual-View Distribution Alignment for Dataset Condensation.**
Hansong Zhang, Shikun Li, Fanzhao Lin, Weiping Wang, Zhenxing Qian, Shiming Ge.
International Joint Conference on Artificial Intelligence (IJCAI), 2024.
- **M3D: Dataset Condensation by Minimizing Maximum Mean Discrepancy.**
Hansong Zhang, Shikun Li, Pengju Wang, Dan Zeng, Shiming Ge.
AAAI Conference on Artificial Intelligence (AAAI), 2024.
- **Coupled Confusion Correction: Learning from Crowds with Sparse Annotations.**
Hansong Zhang, Shikun Li, Dan Zeng, Chenggang Yan, Shiming Ge.
AAAI Conference on Artificial Intelligence (AAAI), 2024.
- **Estimating Noise Transition Matrix with Label Correlations for Noisy Multi-Label Learning.**
Shikun Li, Xiaobo Xia, Hansong Zhang, Yibing Zhan, Shiming Ge, Tongliang Liu.
Annual Conference on Neural Information Processing Systems (NeurIPS), 2022.

Undergraduate

- **Mechanisms of stationary converted waves and their complexes in the multi-component AB system.**
Hansong Zhang, Lei Wang, Wenrong Sun, Xin Wang, Tao Xu.
Physica D: Nonlinear Phenomena (Physica D), 2021.
- **Transformed nonlinear waves, state transitions and modulation instability in a three-component AB model for the geophysical flows.**
Hansong Zhang, Lei Wang, Xin Wang, Xiyang Xie.
Nonlinear Dynamics (ND), 2020.

AWARDS AND HONORS

- Excellent Undergraduate Graduation Thesis, Beijing. Education Commission of Beijing. 2021
- Regular Institutions of Higher Education Outstanding Graduate, Beijing. Education Commission of Beijing. 2021