

Hansong Zhang

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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

- **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