Dong-Dong Wu

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EDUCATION

Mohamed bin Zayed University of Artificial Intelligence (MBZUAI) — Abu Dhabi, UAE
Research Assistant, Supervisor: Zhiqiang Shen — Sept. 2024 – Present

University of Tokyo (Accepted) — Tokyo, Japan
PhD Candidate (Starting April 2025), Supervisor: Masashi Sugiyama

Southeast University — Jiangsu, China
Master of Engineering, Rank: Top 9.5%, Supervisor: Min-Ling Zhang — Sept. 2021 – Jun. 2024

Chongqing University — Chongqing, China
Bachelor of Engineering, GPA: 3.57/4.00, Rank: Top 14% — Sept. 2017 – Jun. 2021

ACADEMIC PAPERS

Research Interest: Weakly supervised learning (**Google scholar citation: 262**)

- Efficient Model Stealing Defense with Noise Transition Matrix (*CVPR'24*)
  Dong-Dong Wu, Chilin Fu, Weichang Wu, Wenwen Xia, Xiaolu Zhang, Jun Zhou, Min-Ling Zhang*

- Distilling Reliable Knowledge for Instance-dependent Partial Label Learning (*AAAI'24*)
  Dong-Dong Wu†, Deng-Bao Wang†, Min-Ling Zhang*

- Revisiting Consistency Regularization for Deep Partial Label Learning (*ICML'22*)
  Dong-Dong Wu†, Deng-Bao Wang†, Min-Ling Zhang*

- Unleashing Augmentation Potential of Mix for Partial Label Learning (*CVPR'25 submitted*)
  Dong-Dong Wu, Zhaoyi Li, Xiang Li, Zhiqiang Shen*

- PLENCH: Realistic Evaluation of Deep Partial-Label Learning Algorithms (*ICLR'25 submitted*)
  Wei Wang, Dong-Dong Wu, Jingdong Wang, Gang Niu, Min-Ling Zhang, Masashi Sugiyama*

- Dissimilarity-Driven Contrastive Learning for Robust Hashing in Partial Label Image Retrieval
  Zhiqiang Kou, Yucheng Xie, Dong-Dong Wu, Jing Wang, Yuheng Jia, Min-Ling Zhang, Xin Geng*

- Robust Representation Learning for Unreliable Partial Label Learning
  Yu Shi†, Dong-Dong Wu†, Xin Geng*, Min-Ling Zhang*

- A new classification method based on the negation of a basic probability assignment in the evidence theory
  Dong-Dong Wu, Zijing Liu, Yongchuan Tang*
  Engineering Applications of Artificial Intelligence (EAAI, JCR Q1), 2020.

- A new approach for generation of generalized basic probability assignment in the evidence theory
  Yongchuan Tang*, Dong-Dong Wu, Zijing Liu
  Pattern Analysis and Applications (PAA, JCR Q3), 2021, **ESI Highly Cited Paper**.

- An improved failure mode and effects analysis method based on uncertainty measure in the evidence theory
  Dong-Dong Wu, Yongchuan Tang*
  Quality and Reliability Engineering International (QRE, JCR Q2), 2020, **ESI Highly Cited Paper**.

RESEARCH INTERNSHIP

Machine Intelligence Department, Ant Group, with Jun Zhou. — Jun. 2023 - Oct. 2023

Institute of Automation, CAS, with Xiangsheng Huang. — Jun. 2020 - May 2021

Awards and Honors

Awards
- · 1st place team (Top1/1901), ATEC2023 - LLM application and security, 2023
- · 4th and 7th place of two tasks, Learning and Mining with Noisy Labels challenge of IJCAI-ECAI, 2022
- · Outstanding Winner (Top 0.1%), International Interdisciplinary Contest in Modeling (ICM), 2019

Honors
- · Outstanding Master Student Model in Southeast University
- · Municipal Advanced Student in Chongqing city
- · Outstanding Undergraduate in Chongqing University

Scholarship
- · Lenovo Research Scholarship, HuaWei Scholarship

Professional Services

Reviewer / PC Member: ICML(2022), ECML-PKDD(2023), CVPR(2024, 2025), IJCAI(2024, 2025), KDD(2024)

Teaching Assistant: Machine Learning at Southeast University, spring 2022