Yingyi CHEN

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Education

KU Leuven *Leuven, Belgium*

Ph.D. student in Electrical Engineering *2019 - Present*

- **Advisor**: Prof. ir. Johan A.K. Suykens
- **Research Area:** Deep learning & Machine learning
  Learning with noisy label, Self-supervised learning, Kernel methods in Transformer

Renmin University of China *Beijing, China*

Master in Statistics *2016 - 2019*

- **Advisor**: Prof. Chunrong Ai
- **Research Area:** Statistics

Huazhong University of Science and Technology *Wuhan, China*

Bachelor in Statistics *2012 - 2016*

- School of Mathematics and Statistics
- **Honors & Awards**: National Scholarship, Premium student of Qiming College

Teaching

2019 - Present	**Teaching Assistant,** Support Vector Machines: Methods and Applications [H00H3a]	*KU Leuven*
2019 - Present	**Teaching Assistant,** Data Mining and Neural Networks [H05R4a]	*KU Leuven*
2020 - Present	**Daily Supervisor,** Master theses of Mathematical Engineering	*KU Leuven*

Skills

Programming Python (PyTorch), MATLAB, LaTeX. See my released codes on GitHub: https://github.com/yingyichen-cyy

Academic Services

Reviewer IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), IEEE Transactions on Neural Networks and Learning Systems (TNNLS), Multimedia Systems

Publications

JOURNAL ARTICLES

Jigsaw-ViT: Learning jigsaw puzzles in vision transformer
  Yingyi Chen, Xi Shen, Yahui Liu, Qinghua Tao, Johan A.K. Suykens
  Pattern Recognition Letters (PRL). pp. 53–60. Elsevier, 2023

Compressing features for learning with noisy labels
  Yingyi Chen, Shell Xu Hu, Xi Shen, Chunrong Ai, Johan A.K. Suykens
  IEEE Transactions on Neural Networks and Learning Systems (TNNLS). IEEE, 2022

CONFERENCE PROCEEDINGS

Primal-Attention: Self-attention through Asymmetric Kernel SVD in Primal Representation
  Yingyi Chen, Qinghua Tao, Francesco Tonin, Johan A.K. Suykens
  Advances in Neural Information Processing Systems (NeurIPS), 2023

Fast learning in reproducing kernel krein spaces via signed measures
  Fanghui Liu, Xiaolin Huang, **Yingyi Chen**, Johan A.K. Suykens
  International Conference on Artificial Intelligence and Statistics (AISTATS), 2021

Boosting co-teaching with compression regularization for label noise
  Yingyi Chen, Xi Shen, Shell Xu Hu, Johan A.K. Suykens
  Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) L2ID workshop, 2021