

Yingyi CHEN

✉ yingyi.chen@esat.kuleuven.be | 🏠 yingyichen-cyy.github.io/ | 💻 github.com/yingyichen-cyy | 🎓 [googlescholar-YingyiCHEN](https://scholar.google.com/citations?user=yingyiCHEN)

Education

KU Leuven

Ph.D. student in Electrical Engineering

Leuven, Belgium

2019 - Current

- **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

Master in Statistics

Beijing, China

2016 - 2019

- **Advisor:** [Prof. Chunrong Ai](#)
- **Research Area:** Statistics

Huazhong University of Science and Technology

Bachelor in Statistics

Wuhan, China

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), Pattern Recognition Letters (PRL)

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