

# Yingyi CHEN

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## Education

### KU Leuven

Ph.D. student in Electrical Engineering

Leuven, Belgium

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

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