Wenjie Wei

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EDUCATION

University of Electronic Science and Technology of China　　　　　　　　**Supervisor: Malu Zhang**
Ph.D. student in School of Computer Science and Engineering　　　　　　　　Sep. 2022 – Present

University of Electronic Science and Technology of China　　　　　　　　**Supervisor: Malu Zhang**
M.S. student in School of Computer Science and Engineering　　　　　　　　Sep. 2021 – Jun. 2022

Zhengzhou University
B.S. in School of Computer Science and Artificial Intelligence　　　　　　　　Sep. 2017 – Jun. 2021

RESEARCH INTERESTS

Computer Vision, Efficient Deep Learning, Spiking Neural Networks, and Neuromorphic Computing

PUBLICATIONS

*My complete list of publications can be accessed on my Google Scholar profile.

Published

Q-SNNs: Quantized Spiking Neural Networks
Wei, W., Liang, Y., Belatreche, A., Xiao, Y., Cao, H., Ren, Z., ... & Yang, Y.　　　　　　　　ACM MM 2024

Temporal-coded spiking neural networks with dynamic firing threshold: Learning with event-driven backpropagation
Wei, W., Zhang, M., Qu, H., Belatreche, A., Zhang, J., & Chen, H.　　　　　　　　ICCV 2023

PrePrint

Event-driven learning for spiking neural networks
Wei, W., Zhang, M., Zhang, J., Belatreche, A., Wu, J., Xu, Z., Qiu, X., Chen, H., Yang, Y., & Li, H.　　　　　　　　Under Review

ACADEMIC SERVICES

Conference and Journal Reviewer
PRCV 2023, ICLR 2025, IEEE Transactions on Emerging Topics in Computational Intelligence, Neural Networks

The 32nd ACM International Conference on Multimedia　　　　　　　　Melbourne, Australia
Poster Presentation: Q-SNNs: Quantized Spiking Neural Networks　　　　　　　　Oct. 2024

The 11th IEEE International Conference on CIS-RAM Young Scholars Workshop　　　　　　　　Hangzhou, China
Invited Oral Presentation: Event-Driven Learning for Spiking Neural Networks　　　　　　　　Aug. 2024

The 19th IEEE International Conference on Computer Vision　　　　　　　　Paris, France
Poster Presentation: Temporal-coded spiking neural networks with dynamic firing threshold: Learning with event-driven backpropagation　　　　　　　　Oct. 2023

ADDITIONAL INFORMATION

Languages: Mandarin (native), English (proficient in reading & writing)

Technical Skills: Python, Linux, LaTex, Markdown and MS Office

Interests: Traveling, photography, reading, badminton, running

Selected Awards:
- 2021-2022: First-Class Graduate Scholarship, University of Electronic Science and Technology of China
- 2020-2021: Outstanding Graduate of Zhengzhou University
- 2017-2018: Advanced Individual in Social Services, Zhengzhou University