

Wenxue Wu

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EDUCATION

Lanzhou University 2024 – Present
Ph.D. Candidate in Computer Application Technology Lanzhou, China
– Supervisor: Prof. Fengyuan Ren

Lanzhou University 2021 – 2024
M.S. in Communication Engineering Lanzhou, China
– Supervisor: Prof. Fengyuan Ren

Northwestern Polytechnical University 2017 – 2021
B.S. in Electronic Information Engineering Xi'an, China

PUBLICATIONS

IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD) 2026
Designing Multiple Queues to Support Asynchronous Traffic Shaping in TSN Switches CCF-A
– **Authors:** Wenxue Wu, Tong Zhang, Zhen Li, Liwei Zhang, Hao Yang, Fengyuan Ren

ACM/IEEE Design Automation Conference (DAC) 2026
Per Flow Asynchronous Traffic Shaping in Time Sensitive Networking CCF-A
– **Authors:** Wenxue Wu, Tong Zhang, Wanchun Jiang, Wufan Wang, Zhen Li, Fengyuan Ren

ACM Transactions on Design Automation of Electronic Systems (TODAES) 2025
Dynamic Per-Flow Queues in Shared Buffer TSN Switches CCF-B
– **Authors:** Wenxue Wu, Tong Zhang, Zhen Li, Xiaoqin Feng, Liwei Zhang, Fengyuan Ren

IEEE Design, Automation & Test in Europe (DATE) 2024
Dynamic Per-Flow Queues for TSN Switches CCF-B
– **Authors:** Wenxue Wu, Tong Zhang, Zhen Li, Xiaoqin Feng, Liwei Zhang, Fengyuan Ren

IEEE Design, Automation & Test in Europe (DATE) 2024
Fault-Tolerant Cyclic Queuing and Forwarding in Time-Sensitive Networking CCF-B
– **Authors:** Liwei Zhang, Tong Zhang, Wenxue Wu, Xiaoqin Feng, Guoxi Lin, Fengyuan Ren

RESEARCH INTERESTS

Primary: Time-Sensitive Networking (TSN), Programmable Network Hardware

Secondary: Traffic Management, Real-time Embedded Systems

TECHNICAL SKILLS

Programming: C, Python, Verilog

Tools: Linux, Docker, FPGA