Zhengfa Liu

No. 4800 Cao'an Road, Jiading District, Shanghai,
Jiading Campus of Tongji University – Shanghai. P.R. 201804

☎ +86 18621282423 • ✉ zhengfaliu2011@163.com

EDUATIONS

Ph.D, Doctor of Engineering, Vehicle Engineering   **2018-2023**
Tongji University, Shanghai, P.R.

Advisor: Prf. Guang Chen
Research: Machine Learning, Domain Adaptation,
Honors: Outstanding Student (2023).
Related Coursework: Artificial Intelligence, Algorithm Complexity Analysis, and Automotive Electronic Control Technology.
Programming Languages: C/C++, Python, and Matlab.

M.En, Master of Engineering, Electronics and Communication Engineering   **2015-2018**
National Space Science Center, CAS, Beijing, P.R.

Honors: Outstanding Student (2016).
Related Coursework: VLSI Fundamentals, Digital Integrated System Design, and Digital Image Processing and Analysis.
Programming Languages: VHDL, Verilog, LabView, and PCB Design.

B.En, Bachelor of Engineering, Automation   **2011-2015**
Henan University, Kaifeng, P.R.

Honors: National Encouragement Scholarships (2011-2015), Outstanding Graduate (2015), No. 1 in the Majors (2011-2015).
Related Coursework: Digital/Analog Circuit, Signal and System, Single-chip Microcomputer Programming, Automatic Control Theory, Modern Control System, and Computer Network.

PUBLICATIONS

○ **Most Closely Related**

Published:

- **Zhengfa Liu**, Guang Chen, Zhijun Li, Yubing Kang, Sanqing Qu and Changjun Jiang. "PSDC: A Prototype-Based Shared-Dummy Classifier Model for Open-Set Domain Adaptation." IEEE Transactions on Cybernetics (2022).
- **Zhengfa Liu**, G. Chen, Ya Wu, Jiatong Du, Jörg Conradt and Alois Knoll. "Mixed Event-Frame Vision System for Daytime Preceding Vehicle Taillight Signal Measurement Using Event-Based Neuromorphic Vision Sensor." Journal of Advanced Transportation (2022).
- Guang Chen, Peigen Liu, **Zhengfa Liu**, Huajin Tang, Lin Hong, Jinhu Dong, Jörg Conradt and Alois Knoll. "NeuroAED: Towards Efficient Abnormal Event Detection in Visual Surveillance With Neuromorphic Vision Sensor." IEEE Transactions on Information Forensics and Security 16

(2021): 923-936.