

English Name Chinese Name (Xiangyu Chen 陳翔宇)

PhD Student

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Education

- Bachelor of Engineering Mechanics
Northwest Polytechnical University, Xi' an 2013.08 – 2017.06
- Master of Engineering Mechanics
Northwest Polytechnical University, Xi' an 2017.08 – 2020.04
- PhD of Computer Science
University of Macau, Macau 2021.08 – Current

Publications

- [1] X. Chen, X. Wang, J. Zhou, Y. Qiao, C. Dong. Activating More Pixels in Image Super-Resolution Transformer. CVPR 2023.
- [2] L. Xie*, X. Wang*, X. Chen*, et al. DeSRA: Detect and Delete the Artifacts of GAN-based Real-World Super-Resolution Models. ICML 2023.
- [3] Y. Chen, J. Tian, X. Chen, J. Zhou. Effective Ambiguity Attack Against Passport-based DNN Intellectual Property Protection Schemes through Fully Connected Layer Substitution. CVPR 2023.
- [4] B. Song, J. Zhou, X. Chen, S. Zhang. Real-Scene Reflection Removal with RAW-RGB Image Pairs. T-CSVT 2023.
- [5] Z. Li, Y. Liu, X. Chen†, et al. Blueprint Separable Residual Network for Efficient Image Super-Resolution. CVPRW 2022.
- [6] X. Liu, J. Hu, X. Chen, C. Dong. UDC-UNet: Under-Display Camera Image Restoration via U-shape Dynamic Network. ECCVW 2022.

[7] L. Zhou, H. Cai, J. Gu, Z. Li, Y. Liu, X. Chen, et al. Efficient Image Super-Resolution Using Vast-Receptive-Field Attention. ECCVW 2022.

Research Interests

- Low-level computer vision
- Image restoration

Projects

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Selected Awards & Honors

- Winner Award in NTIRE 2022 Challenge on Efficient Image Super-Resolution Sub-track 1 Model Complexity
- Second Place Award in MIPI 2022 Challenge on Under-display Camera Image Restoration
- Third Place Award in NTIRE 2022 Challenge on High Dynamic Range Track 1 Fidelity
- Best Poster Award at the FST Symposium on Frontiers of Science of Technology 2022

Academic Services

- Served as the reviewer of CVPR, NIPS, ICCV, ECCV, AAI, ACMMM, TIP, TMM, TCI