

Xin Lin

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Education

Sichuan University

Electronics and Information Engineering 3/111

Chengdu, CHINA

2021–2025

Publications

1. **HQGS: High-Quality Novel View Synthesis with Gaussian Splatting in Degraded scenes** [paper]
Xin Lin, Shi Luo, Xiaojun Shan, Xiaoyu Zhou, Chao Ren, Lu Qi, Ming-Hsuan Yang and Nuno Vasconcelos.
ICLR 25.
2. **Unsupervised Image Denoising in Real-World Scenarios via Self-Collaboration Parallel Generative Adversarial Branches** [paper]
Xin Lin, Xiao Liu, Jie Huang, Chao Ren and Yinjie Lei.
ICCV 2023.
3. **RobuRCDet: Enhancing Robustness of Radar-Camera Fusion in Bird's Eye View for 3D Object Detection** [paper]
Jingtong Yue*, Zhiwei Lin*, **Xin Lin***, Xiaoyu Zhou, Xiangtai Li, Lu Qi, Yongtao Wang and Ming-Hsuan Yang.
ICLR 25 (equal contribution)*
4. **Dual Degradation Representation for Joint Deraining and Low-Light Enhancement in the Dark** [paper]
Xin Lin, Jingtong Yue, Sixian Ding, Chao Ren, Lu Qi and Ming-Hsuan Yang.
TCSVT.
5. **Dual-Representation Interaction Driven Image Quality Assessment with Restoration Assistance** [paper]
Jingtong Yue, **Xin Lin**, Ziji Yang and Chao Ren.
WACV 2025.
6. **Restore Anything with Masks: Leveraging Mask Image Modeling for Blind All-in-One Image Restoration** [paper]
Chujie Qin, Ruiqi Wu, Zikun Liu, **Xin Lin**, Chun-Le Guo, Hyun Hee Park and Chongyi Li.
ECCV 2024.

Submitted Papers

1. **Re-boosting Self-Collaboration Parallel Prompt GAN for Unsupervised Image Restoration** [paper]
Xin Lin*, Yuyan Zhou*, Jingtong Yue, Chao Ren, Kelvin C.K. Chan, Lu Qi and Ming-Hsuan Yang.
Submitted to TPAMI (Major Revision).
2. **UMC: Unified Resilient Controller for Legged Robots with Joint Malfunctions**
Yu Qiu, **Xin Lin**, Jingbo Wang, Xiangtai Li, Lu Qi, and Ming-Hsuan Yang.
Submitted to ICML 25.
3. **Multi-task Image Restoration Guided by Robust DINO Features** [paper]
Xin Lin*, Jingtong Yue, Kelvin C.K. Chan, Lu Qi, Chao Ren, Jinshan Pan, and Ming-Hsuan Yang.
arXiv.

Experience

1. University of California, San Diego

Research Intern

Advisor: Prof. Nuno Vasconcelos

July 2024–now

1. University of California, Merced

Research Intern

Advisor: Prof. Ming-Hsuan Yang

April 2023–now

2. Sichuan University

Research Intern

Advisor: Prof. Chao Ren

March 2022–June 2023

Professional Service

Reviewer

– ICML 25, ICLR 25, NeurIPS 24, ECCV 24, ACM MM 24,23, CVPRW 23, IJCV, Information Fusion

Awards

SenseTime Scholarship; 25 Talented undergraduates in China.

National Scholarship; (Top 0.2% nationwide, highest scholarship in China).

Top 100 Students in Sichuan University; (100/60,000+).

Chinese Mathematics Competitions first prize; (Top 0.08% in Sichuan province).