Xiaoming Li

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Biography

I am a Ph.D. student with the Faculty of Computing, Harbin Institute of Technology, China, supervised by Prof. Wangmeng Zuo, and also with the Department of Computing, the Hong Kong Polytechnic University, Hong Kong, jointly supervised by Prof. Lei Zhang. Before that, I received my M.Eng. and B.Eng degrees from the School of Computer Science and Technology, Harbin Institute of Technology, China. I will graduate in the Autumn of 2021.

Research Interest

My interests are in the field of computer vision, especially on the image editing and restoration. Currently, I mainly focus on solving the real-world low-quality image restoration problems. I am also interested in the following topics:

- Image Restoration
- Memory Network
- GAN Priors
- Person Image Generation
- Image Inpainting and Completion
- Face Related Tasks

Education/Internship Experience

- Alibaba Damo Academy, Artificial Intelligence Center, Research Intern.   Nov. 2019 - Present
- The Hong Kong Polytechnic University, Joint Ph.D. (GPA 3.77/4, Prof. Lei Zhang)   Jan. 2019 - May 2020
- Harbin Institute of Technology, China, Ph.D. (GPA 4/4, Prof. Wangmeng Zuo)   Sep. 2016 - Present
- Harbin Institute of Technology, China, Master   Sep. 2013 - Jul. 2016
- Harbin Institute of Technology, China, Bachelor   Sep. 2009 - Jul. 2013

Publications

- **Xiaoming Li**, Shiguang Zhang, Shangchen Zhou, Wangmeng Zuo, Lei Zhang. Learning Dual Memory Dictionaries for Blind Face Restoration. Submitted 2021.
- Zhengyao Lv, **Xiaoming Li**, Xin Li, Fu Li, Tianwei Lin, Dongliang He, Wangmeng Zuo. Learning Semantic Person Image Generation by Region-Adaptive Normalization. In CVPR 2021.
- Chaofeng Chen, **Xiaoming Li**, Lingbo Yang, Xianhui Lin, Lei Zhang, Kwan-Yee Wong. Progressive Semantic-Aware Style Transformation for Blind Face Restoration. In CVPR 2021.
- **Xiaoming Li**, Chaofeng Chen, Shangchen Zhou, Xianhui Lin, Wangmeng Zuo and Lei Zhang. Blind Face Restoration via Multi-scale Dictionary Component Dictionaries. In ECCV 2020.
- Xiaobin Hu, Wenqi Ren, John LaMaster, Xiaochun Cao, **Xiaoming Li**, Zechao Li, Bjoern Menze, and Wei Liu. Face Super-Resolution Guided by 3D Facial Priors. In ECCV 2020 (Spotlight)).
- **Xiaoming Li**, Wenyu Li, Dongwei Ren, Hongzhi Zhang, Meng Wang and Wangmeng Zuo. Enhanced Blind Face Restoration With Multi-Exemplar Images and Adaptive Spatial Feature Fusion. In CVPR 2020 (Oral)
- **Xiaoming Li***, Guoshegn Hu*, Jieru Zhu, Wangmeng Zuo, Meng Wang and Lei Zhang. Learning Symmetry Consistent Deep CNNs for Face Completion. IEEE Transactions on Image Processing (TIP), 2020. (*Equal Contribution)
- **Xiaoming Li**, Ming Liu, Yuting Ye, Wangmeng Zuo, Liang Lin and Ruigang Yang. Learning Warped Guidance for Blind Face Restoration. In ECCV 2018.
- Zhaoyi Yan, **Xiaoming Li**, Mu Li, Wangmeng Zuo and Shiguang Shan. Shift-Net: Image Inpainting via Deep Feature Rearrangement. In ECCV 2018.
- Yajie Zhao, Weikai Chen, Jun Xing, **Xiaoming Li**, Zach Bessinger, Fuchang Liu, Wangmeng Zuo, Ruigang Yang. Identity Preserving Face Completion for Large Ocular Region Occlusion. In BMVC 2018.

Awards

- The Zhongdian Laisi's Scholarship   2020
- The People's Daily Scholarship   2019
- Outstanding Graduate of Harbin Institute of Technology   2016
- The Silver Award for the 1st China Internet+ College Students Innovation and Entrepreneurship Competition   2015
- Outstanding Graduate of Harbin Institute of Technology   2013

Academic Services

TPAMI, TIP, CVIU, CVPR, IJCAI (pc member, 2021), ICME, ACCV