HUANRONG ZHANG

Mail: zhanghr37@mail2.sysu.edu.cn | GitHub: supercaoO | CSDN: HuanCaoO | Page: hr-zhang

EDUCATIONS

Sun Yat-sen University (SYSU) Guangzhou, China
M.S. Degree Received, School of Intelligent Systems Engineering *Sept. 2019 ~ June 2021*

Jinan University (JNU) Guangzhou, China
B.S. Degree Received, School of Intelligent Systems Science and Engineering *Sept. 2015 ~ June 2019*

WORKS

Tencent Shenzhen, China
Computer Vision Researcher *July 2021 ~ Present*

INTERNSHIPS

Huawei Shenzhen, China
Software Development Engineer *July 2018 ~ Oct. 2018*

PUBLICATIONS

- **Huanrong Zhang**, Jie Xiao et al. Multi-scale Image Super-Resolution via A Single Extendable Deep Network. IEEE Journal of Selected Topics in Signal Processing (JSTSP). 2021.
  [Paper][Code]
- **Huanrong Zhang** et al. Towards Lighter and Faster: Learning Wavelets Progressively for Image Super-Resolution. Proceedings of the 28th ACM International Conference on Multimedia (ACM MM). 2020.
  [Paper][Code]
- Haoran Qi, **Huanrong Zhang** et al. SemFSR: An Unsupervised Face SR with Semantic Features for Multiple Degradations. IEEE International Conference on Tools with Artificial Intelligence (ICTAI). 2021.
  [Paper]
- Jie Xiao, **Huanrong Zhang** et al. A General Model Compression Method for Image Restoration Network. Signal Processing: Image Communication. 2021.
  [Paper][Code][Supp]
- Meng Pan, **Huanrong Zhang** et al. Self-Distillation Network for Indoor and Outdoor Monocular Depth Estimation. Multimedia Tools and Applications. 2021.
- Yinhe Qi, **Huanrong Zhang** et al. Depth-guided Asymmetric CycleGAN for Rain Synthesis and Image Deraining. Multimedia Tools and Applications. 2021.
- Meng Pan, **Huanrong Zhang** et al. Pixel Classification-based Monocular Depth Estimation. China Automation Congress (CAC). 2020.

WORKSHOPS

- Lugmayr et al. NTIRE 2021 Learning the Super-Resolution Space Challenge. Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW). 2021.
  [Paper]
- Zhang et al. NTIRE 2020 Challenge on Perceptual Extreme Super-Resolution: Methods and Results. Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW). 2020.
  [Paper]

AWARDS

- Asia Supercomputer Community (ASC) Student Supercomputer Challenge 2019: First Prize and Application Innovation Award (FaceSR).
- CVPR Workshop NTIRE 2021 Learning the Super-Resolution Space Challenge: Finals Award.
- CVPR Workshop NTIRE 2020 Challenge on Perceptual Extreme Super-Resolution: Finals Award.
- Jinan University: 1st Prize Scholarship (2016 $\sim$ 2017, 2018 $\sim$ 2019) and 3rd Prize Scholarship (2017 $\sim$ 2018).
- Sun Yat-sen University: 3rd Prize Scholarship (2019 $\sim$ 2020, 2020 $\sim$ 2021).

PATENTS

- 基于增强图像的图像处理方法、装置和计算机设备, 2022, 202211049178.6.
- 一种基于语义特征的人脸超分辨率重建方法及系统, 2022, 202210426417.9.
- 一种合成高仿真图像的方法, 2021, 202110401470.9.
- 基于图像的消防门及其开关状态的检测方法, 2018, ZL201810823826.6（已授权）.

FOUNDATIONS

- 国家自然科学基金委员会面上项目, 6207010648, 复杂天气及光照下的移动视觉感知增强理论与方法, 2020, 参与.

PRODUCTS

- 臻彩视听. In Tencent Video.
- Face and Gaze-based Intelligence Interactivity on Huawei HI3519A Chip. In Sun Yat-sen University.
- State Detection of Fire Door based on Video Frames. In Jinan University.
- Megapixel Image Viewer APP. In Jinan University.