

1 of 3

1. Bineng Zhong, Bing Bai, Jun Li, **Yulun Zhang**, and Yun Fu, "Hierarchical Tracking by Reinforcement Learning based Searching and Coarse-to-fine Verifying," *IEEE Trans. on Image Processing (TIP)*, 2018.
2. Qinqin Zhou, Bineng Zhong, **Yulun Zhang**, Jun Li, and Yun Fu, "Deep Alignment Network Based Multi-person Tracking with Occlusion and Motion Reasoning," *IEEE Trans. Multimedia (TMM)*, 2018.
3. Yongbing Zhang, **Yulun Zhang***, Jian Zhang, Dong Xu, Yun Fu, Xiangyang Ji, and Qionghai Dai, "Collaborative Representation Cascade for Single Image Super-Resolution," *IEEE Trans. Syst., Man, Cybern., Syst. (TSMC)*, 2017.
4. Yongbing Zhang, **Yulun Zhang***, Jian Zhang, and Qionghai Dai, "CCR: Clustering and Collaborative Representation for Fast Single Image Super-Resolution," *IEEE Trans. Multimedia (TMM)*, vol. 18, no. 3, pp. 405–417, Mar. 2016.

1. **Yulun Zhang**, Kunpeng Li, Kai Li, Bineng Zhong, and Yun Fu, "Residual Non-local Attention Networks for Image Restoration," *International Conference on Learning Representations (ICLR)*, 2019. (Poster, 30%)
2. **Yulun Zhang**, Kunpeng Li, Kai Li, Lichen Wang, Bineng Zhong, and Yun Fu,, "Image Super-Resolution Using Very Deep Residual Channel Attention Networks," *European Conference on Computer Vision (ECCV)*, 2018. (Poster, 29.4%)
3. **Yulun Zhang**, Yapeng Tian, Yu Kong, Bineng Zhong, and Yun Fu, "Residual Dense Network for Image Super-Resolution," *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018. (**Spotlight, 6.6%**)
4. Kai Li, Zhengming Ding, Kunpeng Li, **Yulun Zhang**, and Yun Fu, "Support Neighbor Loss for Person Re-Identification," *ACM International Conference on Multimedia (ACM MM)*, 2018. (Poster, 27 %)
5. **Yulun Zhang**, Yongbing Zhang, Jian Zhang, Haoqian Wang, and Qionghai Dai, "Adaptive Local Nonparametric Regression for Fast Single Image Super-Resolution," *IEEE International Conference on Visual Communications and Image Processing (VCIP)*, 2015. (**Best Student Paper Award**, 1 out of over **313** submissions.)
6. **Yulun Zhang**, Kaiyu Gu, Yongbing Zhang, Jian Zhang, and Qionghai Dai, "Image Super-Resolution Based on Dictionary Learning and Anchored Neighborhood Regression with Mutual Incoherence," *IEEE International Conference on Image Processing (ICIP)*, 2015.
7. **Yulun Zhang**, Yongbing Zhang, Jian Zhang, Haoqian Wang, and Qionghai Dai, "Single Image Super-Resolution via Iterative Collaborative Representation," *Pacific-Rim Conference on Multimedia (PCM)*, 2015.
8. **Yulun Zhang**, Yongbing Zhang, and Qionghai Dai, "Single Depth Image Super-Resolution via A Dual Sparsity Model," *IEEE International Conference on Multimedia and Expo (ICME) Workshop on Hot Topics in 3D (Hot3D)*, 2015.
9. Tao Shen, **Yulun Zhang**, Yongbing Zhang, Xingzheng Wang, Haoqian Wang, and Qionghai Dai, "Decompressed Video Enhancement via Accurate Regression Prior," *IEEE International Conference on Visual Communications and Image Processing (VCIP)*, 2016.
10. Yihui Feng, Yongbing Zhang, **Yulun Zhang**, Tao Shen, and Qionghai Dai, "Decompressed Video Enhancement via Accurate Regression Prior," *IEEE International Conference on Visual Communications and Image Processing (VCIP)*, 2016.

11. Radu Timofte, ..., **Yulun Zhang**, ..., et al., “NTIRE 2017 Challenge on Single Image Super-Resolution: Methods and Results,” *IEEE CVPR New Trends in Image Restoration and Enhancement workshop and challenge on image super-resolution (CVPR NTIRE)*, 2017. (Our team ranked 2nd place.)
12. Wangpeng An, Haoqian Wang, **Yulun Zhang**, and Qionghai Dai, “Exponential Decay Sine Wave Learning Rate for Fast Deep Neural Network Training,” *IEEE International Conference on Visual Communications and Image Processing (VCIP)*, 2017.

HONORS AND AWARDS

- PhD Network Travel Grant, Northeastern University, USA, 2018
- Dean’s Fellowship in Northeastern University, USA, 2017
- Shenzhen Universiade International Scholarship, China, 2017
- Excellent Graduate of Beijing, China 2017
- Excellent Master Thesis of Tsinghua University, 2017
- National Scholarship (Ministry of Education, China, Top 2%), 2016
- **Best Student Paper Award** at IEEE **VCIP**, 2015
- Jingzhi Research Award in Tsinghua University (Top 5%), 2015
- Second Prize Scholarship of Xidian University, 2011, 2012
- Advanced Individual of Social Work, 2011
- Third Prize Scholarship of Xidian University, 2010
- Advanced Individual of Civilized Dormitory Contribution, 2010
- Excellent Student in Xidian University (Top 5%), 2009

PROFESSIONAL ACTIVITIES

Program Committee Member

- Association for the Advancement of Artificial Intelligence (**AAAI**), 2019

Reviewer

- Conferences: CVPR’19
- Journals: TIP, TCSVT, TMM, TNNLS, Neurocomputing, IEEE/CAA Journal of Automatica Sinica (JAS), IEEE Computational Intelligence Magazine (CIM)

Oral Presentations or Posters at Conferences

- Conference on Computer Vision and Pattern Recognition, Salt Lake City, Utah Jun 2018
- IEEE Int. Conf. on Visual Communications and Image Processing, Singapore Dec 2015
- IEEE International Conference on Image Processing, Quebec, Canada Sep 2015
- Pacific-Rim Conference on Multimedia, Gwangju, Korea Sep 2015
- IEEE International Conference on Multimedia and Expo, Torino, Italy Jun 2015

Memberships

- Student Member, IEEE
- Student Member, CCF

TEACHING

- Teaching Assistant, Computer Vision, Northeastern University Fall 2018
- Teaching Assistant, Modern Signal Processing, Tsinghua University Fall 2015

SKILLS

- Programming: Matlab, Python, Lua, C/C++, L^AT_EX, Visual Studio, OpenCV, Linux.
- Deep learning tools: PyTorch, TensorFlow, Caffe, Torch, Keras, MatConvNet.