

Yangyang Xu

CONTACT INFORMATION

Third-year Ph.D. student (Excepted Graduation in June 2021)
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RESEARCH INTEREST

Computer Vision, Image Processing, Machine Learning, Deep Learning

EDUCATION

Ph.D. candidate, Cyberspace Security 2018.07 - PRESENT
South China University of Technology, China
Supervisor: Prof. Shengfeng He and Prof. Xuemiao Xu

M.S., Electronic and Communication Engineering 2015.09 - 2018.06
Guangxi Normal University, China

Visiting Student 2017.02 - 2018.06
Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China
Supervisor: Prof. Jun Cheng and Prof. Lei Wang

B.S. Communication Engineering 2011.09 - 2015.06
Yantai University, China

PUBLICATION

- * Corresponding author
1. Transductive Zero-shot Action Recognition via Visually-connected Graph Convolutional Networks
Yangyang Xu, Chu Han, Jing Qin, Xuemiao Xu*, Guoqiang Han, and Shengfeng He*
IEEE Transactions on Neural Networks and Learning Systems (**TNNLS**)
 2. Holistically-Associated Transductive Zero-Shot Learning
Yangyang Xu, Xuemiao Xu*, Guoqiang Han, and Shengfeng He*
IEEE Transactions on Cognitive and Developmental Systems (**TCDS**)
 3. Unsupervised Domain Adaptation via Importance Sampling
Xuemiao Xu, Hai He, Huaidong Zhang, **Yangyang Xu**, and Shengfeng He*
IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT**)
 4. Ensemble One-Dimensional Convolution Neural Networks for Skeleton-Based Action Recognition
Yangyang Xu, Jun Cheng, Lei Wang*, Feng Liu and Dapeng Tao
IEEE Signal Processing Letters (**SPL**)

Pre-print

1. Multi-view Face Synthesis via Progressive Face Flow
Yangyang Xu, Xuemiao Xu*, Jianbo Jiao, Keke Li, Cheng Xu and Shengfeng He*
*Submitted to IEEE Transactions on Image Processing (**TIP**), Major revision*

2. Invertible Grayscale with Sparsity Enforcing Priors
 Yong Du, **Yangyang Xu**, Taizhong Ye, Qiang Wen, Chufeng Xiao, Junyu Dong, Guoqiang Han, Shengfeng He*
Submitted to ACM Transactions on Multimedia Computing Communications and Applications (TOMM), Major revision
3. Unsupervised Matting-specific Portrait Enhancement and Generation
 Shengfeng He, Zeyang Zhou, **Yangyang Xu***, Xuemiao Xu and Guoqiang Han
Submitted to IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2021)
4. Pro-PULSE: Learning Progressive Encoders of Latent Semantics in GANs for Photo Upsampling
 Shengfeng He, Yang Zhou, Yong Du, Qiang Wen, Xuemiao Xu and **Yangyang Xu***
Submitted to IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2021)
5. Deep Texture-Aware Features for Camouflaged Object Detection
 Jingjing Ren, Xiaowei Hu, Lei Zhu, Xuemiao Xu*, **Yangyang Xu**, Weiming Wang, Zijun Deng and Pheng-Ann Heng
Submitted to IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2021)

ACTIVITIES

Reviewer: IEEE TNNLS, Neural Computing, P&G 2020, CVPR 2020, ECCV 2020, AAAI 2021, CVPR 2021.

Seminar report: “Graph Convolutional Neural Networks for Zero-shot Action Recognition”,
 City University of Hong Kong, Hong Kong. 2018.12

PROGRAM SKILLS

Proficiency with Python, Matlab, C/C++.