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++.