

Yangyang Xu

CONTACT INFORMATION

Third-year Ph.D. student (Excepted Graduation in August, 2021)
School of Computer Science and Engineering, South China University of Technology

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RESEARCH INTEREST

Computer Vision, Image Editing, Generative Models and Transfer Learning

EDUCATION

Ph.D. candidate 2018.07 - PRESENT
South China University of Technology, China
Supervisor: Prof. [Shengfeng He](#) and Prof. [Xuemiao Xu](#)

M.S. 2015.09 - 2018.06
Guangxi Normal University, China

RA 2017.02 - 2018.06
Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China
Supervisor: Prof. [Jun Cheng](#) and Prof. [Lei Wang](#)

B.S. 2011.09 - 2015.06
Yantai University, China

PUBLICATION

- * Corresponding author
- Multi-view Face Synthesis via Progressive Face Flow
Yangyang Xu, Xuemiao Xu*, Jianbo Jiao, Keke Li, Cheng Xu and Shengfeng He*
IEEE Transactions on Image Processing (**TIP**), 2021. Accept. (Early Access)
 - 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**), 2020.
DOI: 10.1109/TNNLS.2020.3015848
 - Holistically-Associated Transductive Zero-Shot Learning
Yangyang Xu, Xuemiao Xu*, Guoqiang Han, and Shengfeng He*
IEEE Transactions on Cognitive and Developmental Systems (**TCDS**), 2021.
DOI: 10.1109/TCDS.2021.3049274
 - Invertible Grayscale with Sparsity Enforcing Priors
Yong Du, **Yangyang Xu**, Taizhong Ye, Qiang Wen, Chufeng Xiao, Junyu Dong, Guoqiang Han, Shengfeng He*
ACM Transactions on Multimedia Computing Communications and Applications (**TOMM**), 2021. Accept. (Early Access)

5. 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**)),
 2019. DOI: 10.1109/TCSVT.2019.2963318
6. 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**), 2018. DOI: 10.1109/LSP.2018.2841649
7. Human Action Recognition by Learning Spatio-Temporal Features With Deep
 Neural Networks
*Lei Wang, **Yangyang Xu**, Jun Cheng*, Jianqin Yin and Jiaji Wu*
 IEEE Access, 2018. DOI: 10.1109/ACCESS.2018.2817253
8. DTA: Double LSTM with temporal-wise attention network for action recogni-
 tion
***Yangyang Xu**, Lei Wang*, Jun Cheng and Jiaji Wu*
 IEEE International Conference on Computer and Communications. 2017. DOI:
 10.1109/CompComm.2017.8322825

Pre-print

1. From Continuity to Editability: Inverting GANs with Consecutive Images
***Yangyang Xu**, Yong Du, Wenpeng Xiao, Xuemiao Xu* and Shengfeng He**
*Submitted to IEEE International Conference on Computer Vision (**ICCV 2021**)*
2. Self-supervised Matting-specific Portrait Enhancement and Generation
***Yangyang Xu**, Zeyang Zhou, Shengfeng He**
*Submitted to IEEE Transactions on Pattern Recognition and Machine Intelli-
 gence (**TPAMI**)*
3. 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 Transactions on Image Processing (**TIP**)*
4. 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 Transactions on MultiMedia (**TMM**)*
5. Class-aware Global Feature Alignment for Adaptive Object Detection
*Shan Xu, Huaidong Zhang, Xuemiao Xu, Xiaowei Hu, **Yangyang Xu**, Liangui
 Dai, Pheng-Ann Heng, Kup-Sze Choi*
*Submitted to IEEE Transactions on Circuits and Systems for Video Technology
 ((**TCSVT**))*

ACTIVITIES

1. **Reviewer:** IEEE TNNLS, Neural Computing, **P&G** 2020, **CVPR** 2020,
ECCV 2020, **AAAI** 2021, **CVPR** 2021, **ICCV** 2021.
2. **Seminar report:** “Graph Convolutional Neural Networks for Zero-shot Action
 Recognition”,
 City University of Hong Kong, Hong Kong. 2018.12
3. **Volunteer:** Chinagraph 2018

**PROGRAM
SKILLS**

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