Yangyang Xu

CONTACT INFORMATION

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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
\+ Equal Contribution

1. From Continuity to Editability: Inverting GANs with Consecutive Images
   Yangyang Xu, *Yong Du, Wenpeng Xiao, Xuemiao Xu* and Shengfeng He**
   IEEE International Conference on Computer Vision (**ICCV**), 2021.

2. 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.
   DOI: 10.1109/TIP.2021.3090658

3. 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

4. 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

5. 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.
   DOI: 10.1145/3451993

6. 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

7. 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

8. 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

9. DTA: Double LSTM with temporal-wise attention network for action recognition
   ***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. Self-supervised Matting-specific Portrait Enhancement and Generation
   ***Yangyang Xu**, Zeyang Zhou, Shengfeng He**
   Submitted to IEEE Transactions on Pattern Recognition and Machine Intelligence (**TPAMI**)

2. Pro-PULSE: Learning Progressive Encoders of Latent Semantics in GANs for Photo Upsampling
   *Yang Zhou[+], **Yangyang Xu**[+], Yong Du, Qiang Wen and Shengfeng He**
   Submitted to IEEE Transactions on Image Processing (**TIP**) *Major revision*

3. 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 Circuits and Systems for Video Technology (**TCSVT**)

4. 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 MultiMedia (**TMM**)

5. Mask-Conditioned Anime Translation: A New Dataset and Method
   *Zhansheng Li[+], **Yangyang Xu**[+], Nanxuan Zhao, Yang Zhou, Yongtuo Liu, Dahua Lin and Shengfeng He**
   Prepare submit to ACM Transactions on Graphics (**TOG**)

ACTIVITIES

1. **Reviewer**:

   ICCV 2021, **CVPR** 2021, **AAAI** 2021, **ECCV** 2020, **CVPR** 2020, **P&G** 2020.

   IEEE **TIP**, IEEE **TNNLS**, Pattern Recognition, Neural Computing, IEEE **SPL**.

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++.