

YU WU

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🎓 EDUCATION

University of Technology Sydney, Sydney, Australia 2017 – Present

PhD Candidate in Computer Science, advised by Prof. Yi Yang.

Shanghai Jiao Tong University, Shanghai, China 2011 – 2015

Bachelor Degree in Mechanical Engineering

🏆 AWARDS

CVPR 2021 Doctoral Consortium	Jun. 2021
1 st Place Award in The 3rd Large-scale Video Object Segmentation Challenge @ CVPR21	May. 2021
Google PhD Fellowship in Computer Vision (<i>10 recipients world-wide</i>)	Oct. 2020
Outstanding Reviewer Award for ECCV	Jul. 2020
1 st Place Award in CVPR 2020 EPIC-Kitchens Action Recognition Challenge	Jun. 2020
Travel Grant Award for ICCV 2019	Oct. 2019
1 st Place Award in CVPR 2019 EPIC-Kitchens Action Recognition Challenge	Jun. 2019
President's Scholarship in University of Technology Sydney	Jul. 2017
Academic Excellence Scholarship in Shanghai Jiao Tong University	2012-2014
SMC Scholarship	Sep. 2013
First Prize in National Olympiad Informatics in Province (NOIP)	Nov. 2009

📖 CONFERENCE PUBLICATIONS

1. **Yu Wu**, Yi Yang. *Exploring Heterogeneous Clues for Weakly-Supervised Audio-Visual Video Parsing*, in **CVPR**, 2021.
2. Jiayu Miao, Yunchao Wei, **Yu Wu**, Chen Liang, Guangrui Li, Yi Yang. *VSPW: A Large-scale Dataset for Video Scene Parsing in the Wild*, in **CVPR**, 2021.
3. Ye Zhu, **Yu Wu**, Hugo Latapie, Yi Yang, Yan Yan. *Learning Audio-Visual Correlations from Variational Cross-Modal Generation*, in **ICASSP**, 2021.
4. Ye Zhu, **Yu Wu**, Yi Yang, Yan Yan. *Describing Unseen Videos via Multi-Modal Cooperative Dialog Agents*, in **ECCV**, 2020.
5. Xiaohan Wang*, **Yu Wu***, Linchao Zhu, Yi Yang, Yueting Zhuang. *Symbiotic Attention: UTS-Baidu Submission to the EPIC-Kitchens 2020 Action Recognition Challenge*, in **CVPR Workshop**, 2020. (* Equal Contribution)
6. Yutian Lin, Lingxi Xie, **Yu Wu**, Chenggang Yan, Qi Tian. *Unsupervised Person Re-identification via Softened Similarity Learning*, in **CVPR**, 2020.
7. Zongxin Yang, Linchao Zhu, **Yu Wu**, Yi Yang. *Gated Channel Transformation for Visual Recognition*, in **CVPR**, 2020.
8. Mengshi Qi, Jie Qin, **Yu Wu**, Yi Yang. *Imitative Non-Autoregressive Modeling for Trajectory Forecasting and Imputation*, in **CVPR**, 2020.
9. Xiaohan Wang, **Yu Wu**, Linchao Zhu, Yi Yang. *Symbiotic Attention with Privileged Information for Ego-centric Action Recognition*, in **AAAI (Oral)**, 2020.
10. **Yu Wu**, Linchao Zhu, Yan Yan, Yi Yang. *Dual Attention Matching for Audio-Visual Event Localization*, in **ICCV (Oral)**, 2019.

11. Jiayu Miao, **Yu Wu**, Ping Liu, Yuhang Ding, Yi Yang. *Pose-Guided Feature Alignment for Occluded Person Re-identification*, in **ICCV**, 2019.
12. Ruijie Quan, Xuanyi Dong, **Yu Wu**, Linchao Zhu, Yi Yang. *Auto-ReID: Searching for a Part-aware ConvNet for Person Re-Identification*, in **ICCV**, 2019.
13. **Yu Wu**, Linchao Zhu, Lu Jiang, Yi Yang. *Decoupled Novel Object Captioner*, in **ACM MM**, 2018.
14. **Yu Wu**, Yutian Lin, Xuanyi Dong, Yan Yan, Wanli Ouyang, Yi Yang. *Exploit the Unknown Gradually: One-Shot Video-Based Person Re-Identification by Stepwise Learning*, in **CVPR**, 2018.

JOURNAL PUBLICATIONS

1. **Yu Wu**, Linchao Zhu, Xiaohan Wang, Yi Yang, Fei Wu. *Learning to Anticipate Egocentric Actions by Imagination*, in IEEE Transactions on Image Processing (**TIP**), 2021.
2. Ruijie Quan, **Yu Wu***, Xin Yu, Yi Yang. *Progressive Transfer Learning for Face Anti-Spoofing*, in IEEE Transactions on Image Processing (**TIP**), 2021. (* Corresponding Author)
3. Jiayu Miao, **Yu Wu***, Yi Yang. *Identifying Visible Parts via Pose Estimation for Occluded Person Re-Identification*, in IEEE Transactions on Neural Networks and Learning Systems (**TNNLS**), 2021. (* Corresponding Author)
4. Fan Ma, **Yu Wu**, Xin Yu, Yi Yang. *Learning with Noisy Labels via Self-Reweighting from Class Centroids*, in IEEE Transactions on Neural Networks and Learning Systems (**TNNLS**), 2021.
5. Ruijie Quan, Linchao Zhu, **Yu Wu**, Yi Yang. *Holistic LSTM for Pedestrian Trajectory Prediction*, in IEEE Transactions on Image Processing (**TIP**), 2021.
6. Xiaohan Wang, Linchao Zhu, **Yu Wu**, Yi Yang. *Symbiotic Attention for Egocentric Action Recognition with Object-centric Alignment*, in IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**), 2020.
7. **Yu Wu**, Lu Jiang, Yi Yang. *Revisiting EmbodiedQA: A Simple Baseline and Beyond*, in IEEE Transactions on Image Processing (**TIP**), 2020.
8. Yutian Lin, **Yu Wu***, Chenggang Yan, Mingliang Xu, Yi Yang. *Unsupervised Person Re-identification via Cross-camera Similarity Exploration*, in IEEE Transactions on Image Processing (**TIP**), 2020. (* Corresponding Author)
9. Qianyu Feng, **Yu Wu**, Hehe Fan, Chenggang Yan, Mingliang Xu, Yi Yang. *Cascaded Revision Network for Novel Object Captioning*, in IEEE Transactions on Circuits and Systems for Video Technology (**TCSVT**), 2020.
10. **Yu Wu**, Yutian Lin, Xuanyi Dong, Yan Yan, Wei Bian, Yi Yang. *Progressive Learning for Person Re-Identification with One Example*, in IEEE Transactions on Image Processing (**TIP**), 2019.
11. Yutian Lin, Liang Zheng, Zhedong Zheng, **Yu Wu**, Yi Yang. *Improving person re-identification by attribute and identity learning*, in Pattern Recognition (**PR**), 2019.

Google Scholar Citations: 1100

INVITED TALKS

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| 2021.03: Detailed Human Action Recognition and Anticipation in Videos. | Princeton University |
| 2021.01: Generalized Vision-Language Models and Multi-modal Video Analysis. | Beihang University |
| 2020.12: Anticipate the Future Action via Imagination and Contrastive Learning. | Xiamen University |
| 2020.09: Towards Action Recognition and Forecasting in Egocentric Videos. | Huawei Inc. |
| 2020.07: Attention Mechanisms in Audio-visual Learning and Multi-modal Perception. | Alibaba Inc. |
| 2019.11: Unsupervised and Semi-supervised Learning for Image Retrieval. | Huawei Inc. |
| 2019.06: Gated Feature Aggregation for Egocentric Action Recognition. | ActivityNet Workshop@CVPR |