# **WENBIN DU**

Address: 1068 Xueyuan Avenue, Shenzhen University Town, Shenzhen, P.R.China

Email: wb.du@siat.ac.cn, Homepage: https://lanlianhuaer.github.io/wbdu/

# **BACKGROUND**

Shenzhen Institutes of Advanced Technology(SIAT),

2014 .9-2018.7

Chinese Academy of Sciences

Ph.D. in Pattern Recognition and Intelligent System, Supervisor: Prof. Yu Qiao

Thesis title: Studies on Video Modeling and Action Recognition Based on Recurrent Neural Networks

Donghua University, Shanghai

2012 .9-2014.7

M.S. in Software Engineering, Supervisor: Prof. Yan Wan

China University of Mining and Technology(CUMT)

2007 .9-2011.7

B.S. in Environmental Engineering

## RESEARCH INTERESTS

Computer Vision: Action Recognition, Recurrent Neural Networks, Deep Learning

## **HONORS AND AWARDS**

President Special Award of SIAT	2017
President Excellence Award of SIAT	2016
National Scholarship	2008

#### **CONTESTS**

• ChaLearn Looking at People Challenge: 1st place in action spotting, event recognition. (SIAT team)

## **PUBLICATIONS**

Google Scholar: https://scholar.google.com/citations?user=Cv7sPAYAAAAJ&hl=zh-CN Submitted Paper

[1] Wenbin Du, Yali Wang, Yu Qiao, Video Action Recognition with Recurrent Pose-Attention Network, submitted to International Journal of Computer Vision (IJCV)

# **Conference Papers**

- [1] Wenbin Du, Yali Wang, Yu Qiao, RPAN: An End-to-End Recurrent Pose-Attention Network for Action Recognition in Videos, Proc. Int. Conf. Computer Vision (ICCV), 2017 Oral
- [2] Wang Z, Wang L, **Du W**, et al. *Exploring fisher vector and deep networks for action spotting*[C]//Computer Vision and Pattern Recognition Workshops (CVPRW), 2015 IEEE Conference on. IEEE, 2015.
- [3] Wang L, Wang Z, Du W, et al. Object-scene convolutional neural networks for event

- recognition in images[C]//Proceedings of the IEEE conference on computer vision and pattern recognition workshops. 2015.
- [4] Liu D X, **Du W**, Wu X, et al. *Deep rehabilitation gait learning for modeling knee joints of lower-limb exoskeleton*[C]//Robotics and Biomimetics (ROBIO), 2016 IEEE International Conference on. IEEE, 2016.

# Journal Papers

- [1] **Wenbin Du**, Yali Wang, Yu Qiao, *Recurrent Spatial-Temporal Attention Network for Action Recognition in Videos*, IEEE Transactions on Image Processing (**TIP**), 2018
- [2] Liu D X, Wu X, **Du W**, et al. Gait phase recognition for lower-limb exoskeleton with only joint angular sensors[J]. Sensors, 2016.
- [3] Liu D X, Wu X, **Du W**, et al. *Deep Spatial-Temporal Model for rehabilitation gait:* optimal trajectory generation for knee joint of lower-limb exoskeleton[J]. Assembly Automation, 2017.