

WENBIN DU

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BACKGROUND

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| Shenzhen Institutes of Advanced Technology(SIAT) , 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. | 2014 .9-2018.7 |
| Donghua University, Shanghai M.S. in Software Engineering, Supervisor: Prof. Yan Wan | 2012 .9-2014.7 |
| China University of Mining and Technology(CUMT) B.S. in Environmental Engineering | 2007 .9-2011.7 |

RESEARCH INTERESTS

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

HONORS AND AWARDS

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| 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

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.