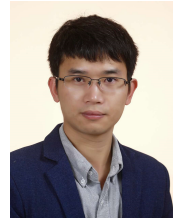


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Education

- 2017.09 – 2021.06 **Ph.D., Tsinghua University** at the Department of Automation.
Thesis title: *Video Summarization Based on Deep Learning*
Advisor: Jiwen Lu
- 2014.09 – 2017.02 **Master, Tianjin University** at the School of Computer Science and Technology.
Thesis title: *Unsupervised Feature Selection Model and Algorithm Based on Self-expression*
Advisor: Qinghua Hu
- 2010.09 – 2014.06 **Bachelor, Tianjin University** at the School of Computer Science and Technology.
Thesis title: *Metric Learning on Stellar Spectra*
Advisor: Qinghua Hu

Interests





- Computer Vision **Object tracking, Image matting**
- Multimedia Understanding **Video summarization, Object segmentation**

Research Publications


- PRM: A Pixel-Region-Matching Approach for Fast Video Object Segmentation**
Wencheng Zhu, Jiahao Li, Jiwen Lu, and Jie Zhou
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2021 **Submission**
- Relational Reasoning over Spatial-Temporal Graphs for Video Summarization**
Wencheng Zhu, Yucheng Han, Jiwen Lu, and Jie Zhou
IEEE Transaction on Image Processing (TIP), 2020 **Under review**
- Learning Multiscale Hierarchical Attention for Video Summarization**
Wencheng Zhu, Jiwen Lu, Yucheng Han, and Jie Zhou
Pattern Recognition (PR), 2020 **Under review**
- Separable Structure Modeling for Semi-supervised Video Object Segmentation**
Wencheng Zhu, Jiahao Li, Jiwen Lu, and Jie Zhou
IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2020 **Minor revision**
- DSNet: A Flexible Detect-to-Summarize Network for Video Summarization**
Wencheng Zhu, Jiwen Lu, Jiahao Li, and Jie Zhou
IEEE Transaction on Image Processing (TIP), 2020 **Accept**
- Multi-label Quadruplet Dictionary Learning**
Jiayu Zheng, **Wencheng Zhu**, and Pengfei Zhu
International Conference on Artificial Neural Networks (ICANN), 2020 **Accept**

7. **Structured general and specific multi-view subspace clustering**
Wencheng Zhu, Jiwen Lu, and Jie Zhou
Pattern Recognition (PR), 2019 **Accept**
8. **Nonlinear Subspace Clustering for Image Clustering**
Wencheng Zhu, Jiwen Lu, and Jie Zhou
Pattern Recognition Letters (PRL), 2018 **Accept**
9. **Nonlinear Subspace Clustering**
Wencheng Zhu, Jiwen Lu, and Jie Zhou
IEEE International Conference on Image Processing (ICIP), 2017 **Accept**
10. **Subspace Clustering guided Unsupervised Feature Selection**
 Pengfei Zhu, **Wencheng Zhu**, Qinghua Hu, Changqing Zhang, and Wangmeng Zuo
Pattern Recognition (PR), 2017 **Accept**
11. **Non-convex Regularized Self-representation for Unsupervised Feature Selection**
 Pengfei Zhu, **Wencheng Zhu**, Qinghua Hu, Weizhi Wang, Wangmeng Zuo, and Qinghua Hu
Image and Vision Computing (IVC), 2016 **Accept**
12. **Set to Set Visual Tracking**
Wencheng Zhu, Pengfei Zhu, Qinghua Hu, and Changqing Zhang
Pacific Rim International Conference on Artificial Intelligence (PRICAI), 2016 **Accept, Best paper Nomination**

Honors

- 2017  Outstanding Undergraduate, Tianjin University
-  National Scholarship, Tianjin University
- 2016  Best Paper Nomination, PRICAI-2016
- 2014  Outstanding Undergraduate, Tianjin University

Academic Experience

- 2018.07– 2018.08  **Horizon Robotics**, intern (student).

Academic Services

- Conference Reviewer ICME, WACV, IScIDE, ICIP, ICPR, VCIP, CASE, BTAS, BigMM, MMSP
- Journal Reviewer T-IP, T-NNLS, T-CYB, T-KDE, T-MM, T-CSVT, T-OMM, T-CSS, PR, PRL