


## CV

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Education & Working Experience						
Date		Affiliation			Position/Degree	
May 2022-Now		Northwestern Polytechnical University, School of Artificial Intelligence, OPTics and ElectroNics (iOPEN)			Associate Professor	
Dec., 2019-May 2022		Northwestern Polytechnical University, Center for OPTical IMagery Analysis and Learning (OPTIMAL)			Research Fellow	
Sep., 2016-Dec., 2019		Northwestern Polytechnical University, Center for OPTical IMagery Analysis and Learning (OPTIMAL)			Ph. D.	
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Journal Paper						
<div>1. Bocheng Wang, Jiawei Wang, Chusheng Zeng, and <b>Mulin Chen</b>. "Locality-driven flexible consensus graph learning for multi-view clustering." <i>Pattern Recognition</i>, 169: 111853, 2026.</div> <div>2. Bocheng Wang, <b>Mulin Chen</b>, and Xuelong Li. "Robust Subcluster Search and Mergence Clustering." <i>IEEE Transactions on Cybernetics</i>, 54(12): 7616-7628, 2024.</div> <div>3. Chuang Yang, Kai Zhuang, <b>Mulin Chen</b>, Haozhao Ma, Xu Han, and Tao Han, Changxing Guo, Han Han, Bingxuan Zhao, Qi Wang. "Traffic Sign Interpretation via Natural Language Description." <i>IEEE Transactions on Intelligent Transportation Systems</i>, 25(11): 18939-18953, 2024.</div> <div>4. Yajie Wang, <b>Mulin Chen</b>, and Xuelong Li. "Continuous Emotion-Based Image-to-Music Generation." <i>IEEE Transactions on Multimedia</i>, 26: 5670-5679, 2024.</div> <div>5. Chuang Yang, <b>Mulin Chen</b>, Yuan Yuan, and Qi Wang. "Zoom Text Detector." <i>IEEE Transactions on Neural Networks and Learning Systems</i>, 35(11): 15745-15757, 2024.</div> <div>6. Chenyu Shao, <b>Mulin Chen</b>, Yuan Yuan, and Qi Wang. "Projection concept factorization with self-representation for data clustering." <i>Neurocomputing</i>, 517: 62-70, 2023.</div> <div>7. <b>Mulin Chen</b>, Maoguo Gong, and Xuelong Li. "Feature Weighted Non-Negative Matrix Factorization." <i>IEEE Transactions on Cybernetics</i>, 53(2): 1093-1105, 2023.</div> <div>8. Chuang Yang, <b>Mulin Chen</b>, Yuan Yuan, and Qi Wang. "Reinforcement Shrink-Mask for Text Detection." <i>IEEE Transactions on Multimedia</i>, 25: 6458-6470, 2023.</div>						

9. Chuang Yang, **Mulin Chen**, Yuan Yuan, and Qi Wang. "Text Growing on Leaf." *IEEE Transactions on Multimedia*, 25: 9029-9043, 2023.
10. **Mulin Chen** and Xuelong Li. "Entropy Minimizing Matrix Factorization." *IEEE Transactions on Neural Networks and Learning Systems*, 34(11): 9209-9222, 2023.
11. **Mulin Chen**, Maoguo Gong, Xuelong Li. "Robust doubly stochastic graph clustering." *Neurocomputing*, 475: 15-25, 2022.
12. Yanling Miao, **Mulin Chen**, Yuan Yuan, Jocelyn Chanussot, and Qi Wang. "Hyperspectral Imagery Classification via Random Multigraphs Ensemble Learning." *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 15: 641-653, 2022.
13. Xuelong Li, Qi Wang, Feiping Nie, and **Mulin Chen**. "Locality Adaptive Discriminant Analysis Framework." *IEEE Transactions on Cybernetics*, 52(8): 7291-7302, 2022.
14. Qi Wang, Ran Liu, **Mulin Chen**, and Xuelong Li. "Robust Rank-Constrained Sparse Learning: A Graph-Based Framework for Single View and Multiview Clustering." *IEEE Transactions on Cybernetics*, 52(10): 10228-10239, 2022.
15. Qi Wang, Xu Jiang, **Mulin Chen**, and Xuelong Li. "Autoweighted Multiview Feature Selection With Graph Optimization." *IEEE Transactions on Cybernetics*, 52(12): 12966-12977, 2022.
16. Qi Wang, Yanling Miao, **Mulin Chen**, and Yuan Yuan. "Spatial-Spectral Clustering With Anchor Graph for Hyperspectral Image." *IEEE Transactions on Geoscience and Remote Sensing*, 60: 1-13, 2022.
17. Chuang Yang, **Mulin Chen**, Zhitong Xiong, Yuan Yuan, and Qi Wang. "CM-Net: Concentric Mask Based Arbitrary-Shaped Text Detection." *IEEE Transactions on Image Processing*, 31: 2864-2877, 2022.
18. Luolin Liu, **Mulin Chen**, Mingliang Xu, and Xuelong Li. "Two-stream network for infrared and visible images fusion." *Neurocomputing*, 460: 50-58, 2021.
19. **Mulin Chen** and Xuelong Li. "Concept Factorization With Local Centroids." *IEEE Transactions on Neural Networks and Learning Systems*, 32(11): 5247-5253, 2021.
20. **Mulin Chen** and Xuelong Li. "Robust Matrix Factorization With Spectral Embedding." *IEEE Transactions on Neural Networks and Learning Systems*, 32(12): 5698-5707, 2021.
21. Qi Wang, **Mulin Chen**, Feiping Nie, and Xuelong Li. "Detecting Coherent Groups in Crowd Scenes by Multiview Clustering." *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 42(1): 46-58, 2020.
22. Xuelong Li, **Mulin Chen**, and Qi Wang. "Quantifying and Detecting Collective Motion in Crowd Scenes." *IEEE Transactions on Image Processing*, 29: 5571-5583, 2020.
23. Xuelong Li, **Mulin Chen**, and Qi Wang. "Adaptive Consistency Propagation Method for Graph Clustering." *IEEE Transactions on Knowledge and Data Engineering*, 32(4): 797-802, 2020.
24. Xuelong Li, **Mulin Chen**, and Qi Wang. "Discrimination-Aware Projected Matrix Factorization." *IEEE Transactions on Knowledge and Data Engineering*, 32(4): 809-814, 2020.
25. Xuelong Li, **Mulin Chen**, and Qi Wang. "Self-Tuned Discrimination-Aware Method for Unsupervised Feature Selection." *IEEE Transactions on Neural Networks and*

*Learning Systems*, 30(8): 2275-2284, 2019.

26. **Mulin Chen**, Qi Wang, and Xuelong Li. "Adaptive Projected Matrix Factorization method for data clustering." *Neurocomputing*, 306: 182-188, 2018.
27. **Mulin Chen**, Qi Wang, and Xuelong Li. "Discriminant Analysis with Graph Learning for Hyperspectral Image Classification." *Remote Sensing*, 10(6): 836, 2018.
28. **Mulin Chen**, Qi Wang, and Xuelong Li. "Patch-based topic model for group detection." *Science China Information Sciences*, 60(11): 113101:1-113101:7, 2017.
29. Xuelong Li, **Mulin Chen**, and Qi Wang. "Measuring Collectiveness via Refined Topological Similarity." *ACM Transactions on Multimedia Computing, Communications, and Applications*, 12(2): 34:1-34:22, 2016.

#### Conference Paper

1. Bocheng Wang, Chusheng Zeng, **Mulin Chen**, and Xuelong Li. "Towards Learnable Anchor for Deep Multi-View Clustering." In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 21044-21052, 2025.
2. **Mulin Chen**, Bocheng Wang, and Xuelong Li. "Deep Contrastive Graph Learning with Clustering-Oriented Guidance." In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 11364-11372, 2024.
3. Haojian Huang, Xiaozhen Qiao, Zhuo Chen, Haodong Chen, Bingyu Li, Zhe Sun, **Mulin Chen**, and Xuelong Li. "CREST: Cross-modal Resonance through Evidential Deep Learning for Enhanced Zero-Shot Learning." In *Proceedings of the ACM International Conference on Multimedia (ACM Multimedia)*, 5181-5190, 2024.
4. Yihao Wang, Zhigang Wang, Bin Zhao, Dong Wang, **Mulin Chen**, and Xuelong Li. "Propagate and Calibrate: Real-Time Passive Non-Line-of-Sight Tracking." In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 972-981, 2023.
5. Haozhe Si, Bin Zhao, Dong Wang, Yunpeng Gao, **Mulin Chen**, Zhigang Wang, and Xuelong Li. "Fully Self-Supervised Depth Estimation from Defocus Clue." In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 9140-9149, 2023.
6. Weichuang Li, Longhao Zhang, Dong Wang, Bin Zhao, Zhigang Wang, **Mulin Chen**, Bang Zhang, Zhongjian Wang, Liefeng Bo, and Xuelong Li. "One-Shot High-Fidelity Talking-Head Synthesis with Deformable Neural Radiance Field." In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 17969-17978, 2023.
7. Ying Yang, **Mulin Chen**, and Xuelong Li. "A Multitask Framework for Graffiti-to-Image Translation." In *Proceedings of the ACM International Conference on Multimedia (ACM Multimedia)*, 4908-4916, 2023.
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9. Yanling Miao, Qi Wang, **Mulin Chen**, and Xuelong Li. "Spatial-Spectral Hyperspectral Image Classification Via Multiple Random Anchor Graphs Ensemble Learning." In *Proceedings of the IEEE International Geoscience and Remote Sensing Symposium*

(IGARSS), 3641-3644, 2021.

10. Ran Liu, **Mulin Chen**, Qi Wang, and Xuelong Li. "Robust Rank Constrained Sparse Learning: A Graph-Based Method for Clustering." In *Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 4217-4221, 2020.
11. **Mulin Chen**, Qi Wang, and Xuelong Li. "Robust Adaptive Sparse Learning Method for Graph Clustering." In *Proceedings of the IEEE International Conference on Image Processing (ICIP)*, 1618-1622, 2018.
12. Xuelong Li, **Mulin Chen**, Feiping Nie, and Qi Wang. "A Multiview-Based Parameter Free Framework for Group Detection." In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 4147-4153, 2017.
13. Qi Wang, **Mulin Chen**, and Xuelong Li. "Quantifying and Detecting Collective Motion by Manifold Learning." In *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, 4292-4298, 2017.
14. **Mulin Chen**, Qi Wang, and Xuelong Li. "Anchor-based group detection in crowd scenes." In *Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, 1378-1382, 2017.
15. Xuelong Li, **Mulin Chen**, Feiping Nie, and Qi Wang. "Locality Adaptive Discriminant Analysis." In *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI)*, 2201-2207, 2017.

#### Academic Service

Served as the Associated Editor of Pattern Recognition, a reviewer for international journals including IEEE TNNLS, TIP, and TCYB among others. Served as a Program Committee (PC) member for top-tier conferences such as CVPR, IJCAI, and AAAI for more than 30 times.