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工作经历

2024.1–2025.4, 工业和信息化部, 高新技术司综合处

2022.07–, 南京理工大学, 计算机科学与工程学院智能科学与技术系

2019.10–2022.06, 南京理工大学, 计算机科学与工程学院

2021.12–2023.12, 澳门大学,智慧城市物联网国家重点实验室, 导师: 周建涛教授

借调

副教授

讲师

澳门青年学者 (博士后)

教育经历

2014.09-2019.09, 浙江大学, 计算机科学与技术学院, 导师: 钱沅涛教授

2017.11-2018.12, 格里菲斯大学, 信息与通讯学院, 导师: Zhou Jun 教授

2010.09-2014.07, 山东大学, 软件学院

2011.09-2012.07, 武汉大学, 国际软件学院

博士研究生

国家公派联培博士

本科生

本科交流

研究方向

- 高光谱视觉：去噪、融合、解混、目标跟踪、目标检测
- 空天信息处理：变化检测、道路提取、目标检测、语义分割
- 机器学习：深度学习、矩阵/张量分解、大模型

科研项目

遥感图像复原

中国科学院空天信息创新研究院

跨模态遥感影像语义特征智能提取、融合增强和鲁棒表示技术

火箭军工程大学智控实验室开放基金项目, 15 万

高光谱目标检测

深圳大学, 20 万

基于视觉感知的高灵敏高分辨率 XXXX 评估技术

基础加强项目子课题, 20 万

天空地一体化酿酒葡萄长势及病虫害智能诊断技术研究

宁夏农林科学院科技创新引导科技攻关项目子课题, 50 万

基于物理信息约束神经网络的高光谱图像去噪方法研究

国家自然科学基金面上项目, 49 万

材质信息引导的高光谱目标时空谱跟踪方法研究

南京理工大学青年人才培养专项, 20 万

基于深度学习的自然资源要素变化发现与监测研究

2025.1 – 2025.12

主持

2024.1 – 2025.12

主持

2023.12 – 2024.12

主持

2023.12 – 2025.12

主持

2023.04 – 2026.06

参与

2024.01 – 2027.12

主持

2023.08 – 2026.08

主持

2023.07 – 2024.07

|                        |                   |
|------------------------|-------------------|
| 地理信息工程国家重点实验室开放基金, 3 万 | 主持                |
| 基于模型驱动深度学习的高光谱去噪算法研究   | 2020.07 – 2023.06 |
| 江苏省自然科学基金青年项目, 20 万    | 主持                |
| 高光谱目标跟踪中的张量时空谱表观建模方法研究 | 2021.01 – 2023.12 |
| 国家自然科学基金青年项目, 24 万     | 主持                |
| 高精度多尺度蛋白质残基接触图及距离图预测研究 | 2021.01 – 2024.12 |
| 国家自然科学基金面上项目, 57 万     | 参与                |
| 知识引导的图像去模糊深度学习研究方法研究   | 2023.01 – 2026.12 |
| 国家自然科学基金面上项目, 55 万     | 参与                |

## 社会、学会及学术兼职

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### 审稿人:

- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- International Journal of Computer Vision (IJCV)
- IEEE Transactions on Signal Processing (TSP)
- IEEE Transactions on Image Processing (TIP)
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- IEEE Transactions on Multimedia (TMM)
- IEEE Transactions on Geoscience and Remote Sensing (TGRS)
- ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)
- IEEE Transactions on Cybernetics (TCYB)
- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
- IEEE Transactions on Instrumentation and Measurement (TIM)
- IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)
- IEEE Journal of Selected Topics in Signal Processing (JSTSP)
- Pattern Recognition (PR)
- IEEE Geoscience and Remote Sensing Society Letters (GRSL)
- Remote Sensing
- Knowledge Based System
- Neural Processing Letters
- International Journal of Remote Sensing
- IET Computer Vision
- IET Image Processing
- AAAI Conference on Artificial Intelligence, 2022, 2023
- IEEE International Conference on Multimedia and Expo (ICME), 2021, 2022, 2023, 2024
- IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2022, 2023, 2024
- IEEE International Conference on Image Processing (ICIP), 2022, 2023, 2024
- International Conference on Digital Image Computing: Techniques and Applications (DICTA), 2020, 2021, 2022
- IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 2023, 2024
- 中国图象图形学报

- 信号处理学报

#### 学会:

- IEEE 会员
- 中国电子学会会员
- 中国图象图形学会会员
- 江苏省人工智能学会会员
- 江苏省计算机学会会员

#### 其它:

- 特刊编委: IET Computer Vision (IET CV) for Special Issue "Spectral Imaging Powered Computer Vision" 截止日期 2023 年 3 月 31 日
- 特刊编委: Remote Sensing for Special Issue "Hyperspectral Object Tracking". 截止日期 2023 年 8 月 15 日.
- 主题编委: IEEE TGRS
- Review Editor of Frontiers in Imaging
- 领域主席: IEEE International Conference on Multimedia and Expo, 2023

#### 荣誉奖项

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|-------------------------------------|---------|
| DIGIX 第六年全球校园人工智能算法精英大赛全国二等奖 (指导教师) | 2024.11 |
| “挑战杯”全国大学生课外学术科技作品竞赛“揭榜挂帅”专项赛全国二等奖  | 2024.11 |
| 2024 年度江苏省信息技术应用学会青年科技奖             | 2024.10 |
| 2023 年度宁夏回族自治区科学技术进步三等奖             | 2024.07 |
| 2023 年首届全国人工智能应用场景创新挑战赛全国二等奖 (指导教师) | 2023.12 |
| 2023 年《遥感学报》研究生学术论坛优秀指导教师           | 2023.11 |
| 中国研究生人工智能创新大赛优秀指导教师                 | 2023.09 |
| IEEE TGRS 最佳审稿人 (每年共计 5 人)          | 2023.04 |
| 华为火花奖                               | 2022.04 |
| DICTA 2021 基于深度学习遥感对地观测最佳论文 (指导教师)  | 2021.12 |
| 澳门青年学者                              | 2021.8  |
| 高光谱目标跟踪挑战赛第二名 (指导教师)                | 2021.3  |
| 江苏省双创博士                             | 2021.1  |
| DICTA 2020 最佳学生论文 (指导教师)            | 2020.11 |
| 浙江大学优秀博士奖学金                         | 2018.11 |
| 浙江大学优秀研究生                           | 2017.9  |
| 山东大学第二校园奖学金                         | 2012.9  |
| 山东大学优秀学生奖学金                         | 2012.9  |
| 国家励志奖学金                             | 2011.9  |
| 山东大学优秀学生奖学金                         | 2011.9  |

1. Zhuanfeng Li, **Fengchao Xiong\***, Jianfeng Lu, Jing Wang, Diqi Chen, Jun Zhou, Yuntao Qian. "Towards Universal Representation Learning for Multi-domain Hyperspectral Object Tracking", *Pattern Recognition (PR)*, 2025.
2. Xin Ke, Jing Han, Zijian Wu, Jun Lu, Lianfa Bai, Shuaifeng Gong, Yan Zhang, Yong Peng, **Fengchao Xiong**, Duan Wei "Single-frame multi-exposure image fusion via narrowband filter decoupled imaging ", *Neurocomputing*, 2025.
3. Zhuang Zhao\*, Yan Zhang, Jing Han, Lianfa Bai, **Fengchao Xiong**, Jun Lu, Shuaifeng Gong, Xin Ke, Shaoxuan Jiang "Self-supervised constrained super-resolution fast coded spectral imaging system ", *Optics Express (OE)*, 2025.
4. Yunfei Xu, Minchao Ye, **Fengchao Xiong**, Yuntao Qian. "Cross-domain Hyperspectral Image Classification Based on Feature Disentanglement" *IEEE International Symposium on Geoscience and Remote Sensing (IGARSS)*, (在审), 2025.
5. Mohammad Aminul Islam, **Fengchao Xiong**, Jun Zhou, Wangzhi Xing, Dong Bao, Yongsheng Gao. "HOT-Review: A Comprehensive Review on Recent Advances on Hyperspectral Object Tracking" *Artificial Intelligence Review* (在审), 2025.
6. Favour Ekong, **Fengchao Xiong**, Yongsheng Gao, Jun Zhou. "Hyperspectral Imaging for Biomedical Applications: Trends and Future Directions" *Artificial Intelligence Review* (在审), 2025.
7. Jingzhou Chen, **Fengchao Xiong\***, Yuntao Qian, Liang Xiao. "Hierarchical Multi-Granularity Ship Classification Using Hierarchical Contrastive Learning with Learnable Class Quires", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, (大修), 2025.
8. Zhuang Zhao\*, Yan Zhang, Jing Han, **Fengchao Xiong**, Jun Lu, Long Zhang "Physics-guided Super-resolution Compressed Encoding Spectral Imaging System ", *Optics and Lasers in Engineering (OLEN)*, (在审), 2025.
9. **Fengchao Xiong\***, Yongle Sun, Jun Zhou, Jianfeng Lu, Yuntao Qian. "Spatial-Spectral-Temporal Correlation Filter for Hyperspectral Object Tracking", *IEEE Transactions on Geoscience and Remote Sensing(TGRS)*, (大修), 2025
10. Fengchao Xiong, Zhenxing Wu, Jun Zhou, Sen Jia, Jianfeng Lu. "SUIT: Spatial-Spectral Union-Intersection Interaction Network for Hyperspectral Object Tracking" *IEEE Transactions on Image Processing (TIP)*, (在审), 2025.
11. Shou Feng, Rui Feng, **Fengchao Xiong**, Chunhui Zhao, Wei Li, Ran Tao. "A Transformer-Based Cross-Domain Few-Shot Learning Method for Hyperspectral Target Detection", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
12. Minchao Ye, Jiawei Ling, **Fengchao Xiong\***, Yuntao Qian. "Discriminative Vision Transformer for Heterogeneous Cross-Domain Hyperspectral Image Classification", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
13. Jin Ye, **Fengchao Xiong\***, Jun Zhou, Yuntao Qian. "Iterative Low-rank Network for Hyperspectral Image Restoration", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
14. **Fengchao Xiong\***, Tianhan Li, Yi Yang, Jianfeng Lu, Jun Zhou, Yuntao Qian. "Wavelet Siamese Network with Semi-supervised Domain Adaptation for Change Detection in Remote Sensing Images", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
15. Guanyiman Fu, **Fengchao Xiong\***, Jianfeng Lu, Jun Zhou, Jiantao Zhou, Yuntao Qian. "Hyperspectral Image Denoising via Spatial-Spectral Recurrent Transformer", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
16. Zhuanfeng Li, **Fengchao Xiong\***, Jun Zhou, Jianfeng Lu, Zhuang Zhao, Yuntao Qian. "Material-Guided Multi-View Fusion Network for Hyperspectral Object Tracking", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
17. **Fengchao Xiong**, Tianhan Li, Jingzhou Chen, Jun Zhou, Yuntao Qian. "Mask-Guided Local-Global Attentive Network for Change Detection in Remote Sensing Images", *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JS-TARS, ESI 高被引论文)*, 2024.

18. Di Hu, Xia Yuan, Huiying Xi, Jie Li, Zhenbo Song, **Fengchao Xiong**, Kai Zhang, Chunxia Zhao. "Road Structure Based Ground-to-Aerial Pose Estimation", *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, 2024.
19. Minchao Ye, Junbin Chen, **Fengchao Xiong\***, Yuntao Qian. "Adaptive graph modeling with self-training for heterogeneous cross-scene hyperspectral image classification", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2024.
20. 涂坤, 熊凤超\*, 傅冠夷蛮, 陆建峰, 基于多任务卷积稀疏编码网络的高光谱图像去噪, *中国图象图形学报*, 2024.
21. 涂坤, 熊凤超\*, 侯雪强, 低秩张量嵌入的高光谱图像去噪神经网络, *遥感学报*, 2024.
22. Yijun Zhang, **Fengchao Xiong**, Jianfeng Lu, Minchao Ye, Jun Zhou, Yuntao Qian. "Semantic-Aware Alignment Network for Cross-resolution Change Detection" *IEEE International Symposium on Geoscience and Remote Sensing (IGARSS)*, 2024.
23. Jun Zhou, **Fengchao Xiong\***, Lei Tong, Naoto Yokoya, Pedram Ghamisi. "Guest Editorial: Spectral Imaging Powered Computer Vision", *IET Computer Vision*, 2023.
24. **Fengchao Xiong**, Jiantao Zhou, Jun Zhou, Jianfeng Lu, Yuntao Qian. "Multitask Sparse Representation Inspired Network for Hyperspectral Image Denoising", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2023.
25. Minchao Ye, Chenglong Wang, Zhihao Meng, **Fengchao Xiong**, Yuntao Qian. "Domain-invariant attention network for transfer learning between cross-scene hyperspectral images", *IET Computer Vision*, 2023.
26. **Fengchao Xiong**, Jun Zhou, Jiantao Zhou, Jianfeng Lu, Yuntao Qian. "Deep Parameterized Neural Networks for Hyperspectral Image Denoising", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2023.
27. Ziqi Yu, Zhuang Zhao, Haocun Qi, Jing Han, Yi Zhang, Lianfa Bai, **Fengchao Xiong**. "Redundant Compressed Single-Pixel Hyperspectral Imaging System", *Optics Communications*, 2023.
28. Zhuanfeng Li, **Fengchao Xiong\***, Jun Zhou, Jianfeng Lu, Yuntao Qian. "Learning a Deep Ensemble Network with Band Importance for Hyperspectral Object Tracking", *IEEE Transactions on Image Processing (TIP)*, 2023.
29. Zhuang Zhao, Jiutao Mu, Hui Xie, **Fengchao Xiong**, Jun Lu, JingHan. "Rapid coded aperture spectrometer based on energy concentration characteristic", *Signal Processing*, 2023.
30. Hui Xie, Jing Han, Yi Zhang, **Fengchao Xiong**, Zhuang Zhao. "Dual camera snapshot high-resolution-hyperspectral imaging system with parallel joint optimization via physics-informed learning", *Optics Express*, 2023.
31. Shou Feng, Rui Feng, Yiming Yan, Chunhui Zhao, **Fengchao Xiong**, Lifu Zhang. "An Attention-based Multiscale Spectral-Spatial Network for Hyperspectral Target Detection", *IEEE Geoscience and Remote Sensing Letters (GRSL)*, 2023.
32. **Fengchao Xiong**, Jun Zhou, Zhuang Zhao, Yuntao Qian. "Iterative Refinement Network for Hyperspectral Image Denoising", *IEEE International Conference on Multimedia & Expo (ICME)*, 2023.
33. Tianhan Li, **Fengchao Xiong\***, Wenbin Zheng, Zhuanfeng Li, Jun Zhou, Yuntao Qian. "Wavelet Siamese Network for Change Detection in Remote Sensing Images", *International Geoscience and Remote Sensing Symposium (IGARSS)*, 2023.
34. **Fengchao Xiong\***, Zhongyi Gu, Wenbin Zheng, Tianhan Li, Jun Zhou. "Multi-task Attentional U-Net for Hyperspectral Image Denoising", *International Geoscience and Remote Sensing Symposium (IGARSS)*, 2023.
35. **Fengchao Xiong\***, Jun Zhou, Shuyin Tao, Jianfeng Lu, Yuntao Qian. "SNMF-Net: Learning a Deep Alternating Neural Network for Hyperspectral Unmixing", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2022.
36. **Fengchao Xiong\***, Jun Zhou, Qinling Zhao, Jianfeng Lu, Yuntao Qian. "MAC-Net: Model Aided Nonlocal Neural Network for Hyperspectral Imagery Denoising", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2022.
37. Minchao Ye, Junbin Chen, **Fengchao Xiong**, Yuntao Qian. "Learning a deep structural

subspace across hyperspectral scenes with cross-domain VAE”, *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2022.

38. **Fengchao Xiong**, Jun Zhou, Shuyin Tao, Jianfeng Lu, Jiantao Zhou, Yuntao Qian. ”SMDS-Net: Model Guided Spectral-Spatial Network for Hyperspectral Image Denoising”, *IEEE Transactions on Image Processing (TIP)*, 2022.
39. Guanyiman Fu, **Fengchao Xiong\***, Jianfeng Lu, Jun Zhou, Yuntao Qian. ”Hyperspectral Image Denoising via Nonlocal Spatial-Spectral Recurrent Neural Network”, *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, 2022.
40. Hui Xie, Jun Lu, JingHan, Yi Zhang, **Fengchao Xiong**, Zhuang Zhao. ”Fourier space coded hyperspectral imaging system”, *Optics and Lasers in Engineering (OLEN)*, 2022.
41. Zhuanfeng Li, **Fengchao Xiong\***, Jianfeng Lu, Jun Zhou, Yuntao Qian. ”Material-Guided Siamese Fusion Network for Hyperspectral Object Tracking”, *International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2022.
42. **Fengchao Xiong\***, Jun Zhou, Minchao Ye, Jianfeng Lu, Yuntao Qian. ”Multitask Sparse Neural Network for Hyperspectral Image Denoising”, *International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2022.
43. Xiangyu Wu, Jianfeng Lu, Zhuanfeng Li, **Fengchao Xiong**. ”Ques-to-Visual Guided Visual Question Answering”, *IEEE International Conference on Image Processing (ICIP)*, 2022.
44. **Fengchao Xiong**, Minchao Ye, Jun Zhou, Yuntao Qian. ”Spatial-Spectral Convolutional Sparse Neural Network for Hyperspectral Image Denoising”, *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2022.
45. Zhihao Meng, Minchao Ye, Futian Yao, **Fengchao Xiong**, Yuntao Qian. ”Cross-scene Hyperspectral Image Classification Based on Cycle-Consistent Adversarial Networks”, *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2022.
46. Chenglong Wang, Minchao Ye, Ling Lei, **Fengchao Xiong**, Yuntao Qian. ”Cross-domain Attention Network for Hyperspectral Image Classification”, *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2022.
47. Jianxi Wang, Minchao Ye, **Fengchao Xiong**, Yuntao Qian. ”Cross-scene hyperspectral feature selection via hybrid whale optimization algorithm with simulated annealing”, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, 2021.
48. **Fengchao Xiong**, Jun Zhou, Minchao Ye, Jianfeng Lu, Yuntao Qian. ”NMF-SAE: An interpretable sparse autoencoder for hyperspectral unmixing”, *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2021.
49. Zhuanfeng Li, Xinhai Ye, **Fengchao Xiong**, Jianfeng Lu, Jun Zhou, Yuntao Qian. ”Spectral-Spatial-Temporal Attention Network for Hyperspectral Tracking”, *IEEE Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS)*, 2021.
50. Guanyiman Fu, **Fengchao Xiong\***, Shuyin Tao, Jianfeng Lu, Jun Zhou, Yuntao Qian,. ”Learning a model-based deep hyperspectral denoiser from a single noisy hyperspectral image”, *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2021.
51. Shide Zou, **Fengchao Xiong\***, Haonan Luo, Jianfeng Lu, Yuntao Qian. ”AF-Net: All-scale Feature Fusion Network for Road Extraction from Remote Sensing Images”, *International Conference on Digital Image Computing: Techniques and Applications (DICTA)*, 2021.
52. **Fengchao Xiong**, Jun Zhou, Yuntao Qian. ”Material Based Object Tracking in Hyperspectral Videos”, *IEEE Transactions on Image Processing (TIP)*, vol. 29, no. 1, pp. 3719-3733, 2020.
53. Yuntao Qian, **Fengchao Xiong**, Qipeng Qian, Jun Zhou. ”Spectral Mixture Model Inspired Network Architectures for Hyperspectral Unmixing”, *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, vol. 58, no. 10, pp. 7418-7434, 2020.

54. **Fengchao Xiong**, Kun Qian, Jianfeng Lu, Jun Zhou, Yuntao Qian. "Nonlocal Low-rank Nonnegative Tensor Factorization for Hyperspectral Unmixing", *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2020.
55. Xinhai Ye, **Fengchao Xiong\***, Jianfeng Lu, Haifeng Zhao, Jun Zhou. "M2-Net: A Multi-scale Multi-level Feature Enhanced Network for Object Detection in Optical Remote Sensing Images", *International Conference on Digital Image Computing: Techniques and Applications(DICTA)*, 2020. (Best Student Paper)
56. Zhuanfeng Li, **Fengchao Xiong\***, Jun Zhou, Jing Wang, Jianfeng Lu, Yuntao Qian. "BAE-Net: A Band Attention Aware Ensemble Network for Hyperspectral Object Tracking", *IEEE International Conference on Image Processing (ICIP)*, 2020.
57. **Fengchao Xiong\***, Jun Zhou, Jianfeng Lu, Yuntao Qian. "Non-convex Non-separable Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing", *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, 2020.
58. Xinhai Ye, **Fengchao Xiong\***, Jun Zhou, Jianfeng Lu, Yuntao Qian. " $\mathcal{F}^3$ -Net: Feature Fusion and Filtration Network for Object Detection in Optical Remote Sensing Images", *Remote Sensing*, 2020.
59. **Fengchao Xiong**, Yuntao Qian, Jun Zhou, Yuan Yan Tang. "Hyperspectral Unmixing via Total Variation Regularized Nonnegative Tensor Factorization", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, vol. 57, no. 4, pp. 2341-2357, 2019.
60. **Fengchao Xiong**, Jun Zhou, Yuntao Qian. "Hyperspectral Restoration via  $L_0$  Gradient Regularized Low-Rank Tensor Factorization", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, vol. 57, no. 12, pp. 10410-10425, 2019.
61. **Fengchao Xiong**, Jun Zhou, Yuntao Qian, Jocelyn Chanussot. "Dynamic Material-Aware Object Tracking in Hyperspectral Videos", *IEEE Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS)*, 2019.
62. Qipeng Qian, **Fengchao Xiong**, Jun Zhou. "Deep Unfolded Iterative Shrinkage-Thresholding Model for Hyperspectral Unmixing", *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2019.
63. **Fengchao Xiong**, Jingzhou Chen, Jun Zhou, Yuntao Qian. "Superpixel-Based Nonnegative Tensor Factorization for Hyperspectral Unmixing", *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 2018.
64. **Fengchao Xiong**, Jun Zhou, Yuntao Qian. "Hyperspectral Imagery Denoising via Reweighted Sparse Low-Rank Nonnegative Tensor Factorization", *IEEE International Conference on Image Processing (ICIP)*, 2018.
65. Kun Qian, Jun Zhou, **Fengchao Xiong**, Huixin Zhou, Juan Du. "Object Tracking in Hyperspectral Videos with Convolutional Features and Kernelized Correlation Filter", *International Conference on Smart Multimedia (ICSM)*, 2018.
66. Yuntao Qian, **Fengchao Xiong**, Shan Zeng, Jun Zhou, Yuan Yan Tang. "Matrix-Vector Nonnegative Tensor Factorization for Blind Unmixing of Hyperspectral Imagery", *IEEE Transactions on Geoscience and Remote Sensing (TGRS)*, vol. 55, no. 3, pp. 1776-1792, 2017. \* 表示通讯作者。