马飞，工学博士，副教授，硕士生导师。2020年毕业于北京航空航天大学信号与信息处理专业，获工学博士学位。2017年获国家留学基金委全额资助赴加拿大麦吉尔大学（MCGill）从事图像处理、机器学习方面的访学研究。主要研究方向为人工智能、机器学习、合成孔径雷达（SAR）信号处理、SAR图像解译。在国际期刊上发表SCI论文10余篇，在国际会议LSMS-ICSEE 2017上获得“会议最佳论文”提名，获得2020年“中科星图”高分遥感图像解译大赛“高分辨率可见光图像精细化标注”项目第一名。

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**招生专业 Admissions Major**

**硕士招生**：欢迎电子信息工程/人工智能/通信工程等相关专业的同学报考！

学术硕士：

* **信息与通信工程**（02图像解译与智能处理）

专业硕士：

* **电子信息**（新一代电子信息技术-02遥感信息处理）

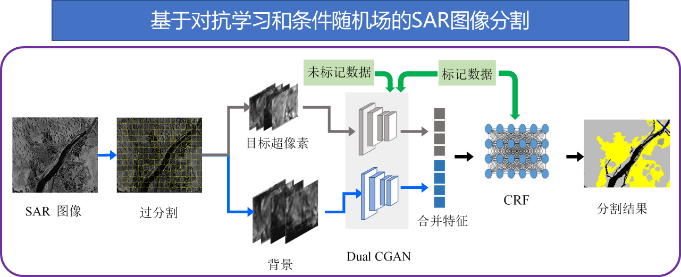
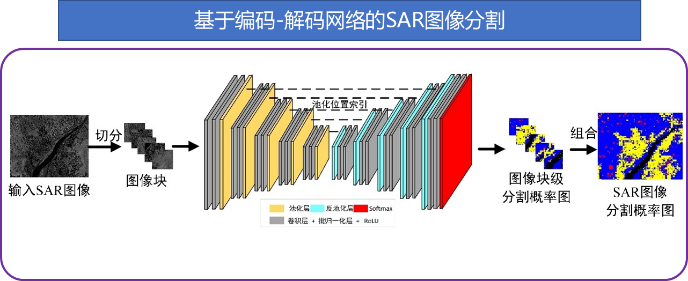
**主要科研项目 Research Projects**

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| --- | --- |
| **项目名称** | **项目来源** |
| 星载SAR成像与智能解译演示系统 | 横向课题 |
| SAR数据GPU实时处理程序开发 | 横向课题 |
| 海杂波抑制算法的并行处理技术 | 横向课题 |

**主要论文Research Paper**

1. **Fei Ma**, Fan Zhang, Deliang Xiang, et al. [Fast Task-Specific Region Merging for SAR Image Segmentation](https://sc.panda321.com/citations?view_op=view_citation&hl=zh-CN&user=CujOi1kAAAAJ&sortby=pubdate&citation_for_view=CujOi1kAAAAJ:RO_jAx7SIW8C)[J]. **IEEE Transactions on Geoscience and Remote Sensing**, 2022.
2. Jiaxin Tang, Deliang Xiang, Fan Zhang, **Fei Ma\***, et al. [Incremental SAR Automatic Target Recognition with Error Correction and High Plasticity](https://sc.panda321.com/citations?view_op=view_citation&hl=zh-CN&user=CujOi1kAAAAJ&sortby=pubdate&citation_for_view=CujOi1kAAAAJ:vG0dlTq9_mQC). **IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing**, 2022.
3. **Fei Ma**, Fan Zhang, Qiang Yin, et al. Fast SAR Image Segmentation With Deep Task-Specific Superpixel Sampling and Soft Graph Convolution[J]. **IEEE Transactions on Geoscience and Remote Sensing**, 2021.
4. J. Ni, F. Zhang, **Fei Ma\***, Q. Yin and D. Xiang, Random Region Matting for High-Resolution PolSAR Image Semantic Segmentation[J], **IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing**, 2021, doi: 10.1109/JSTARS.2021.3062447.
5. **Fei Ma**, Fei Gao, Jun Wang\*, Amir Hussain, Huiyu Zhou. A Novel Biologically Inspired Target Detection Method based on Saliency Analysis in SAR Imagery [J]. Neurocomputing, 2020, 402: 66-79.
6. **Fei Ma**, Fei Gao\*, Jinping Sun, Huiyu Zhou and Amir Hussain. Attention Graph Convolution Network for Image Segmentation in Big SAR Imagery Data[J]. Remote Sensing, 2019, 11(21): 2586.
7. **Fei Ma**, Fei Gao\*, Jinping Sun, Huiyu Zhou, Amir Hussain. Weakly Supervised Segmentation of SAR Imagery Using Superpixel and Hierarchically Adversarial CRF[J]. Remote Sensing, 2019, 11(5): 512.
8. Fei Gao, **Fei Ma\***, Jun Wang, Jinping Sun, Erfu Yang, Huiyu Zhou. Visual Saliency Modeling for River Detection in High-Resolution SAR Imagery[J]. IEEE Access, 2017, 6: 1000-1014.
9. Fei Gao, **Fei Ma**, Xiling Luo, Jun Wang, Jinping Sun. Hierarchical Feature-Based Detection Method for SAR Targets Under Complex Environment[J]. Chinese Journal of Electronics, 2017, 26(3):647-653.
10. **马飞**，张帆，周勇胜等，“中科星图杯”第四届高分遥感图像解译大赛《高分辨率可见光图像精细化标注》课目一等奖，高分辨率对地观测学术年会组委会, 2020.

**研究成果Research Achievements**

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