

张广运

简历

男，汉族，1983年9月出生，河北隆尧人，博士，教授，硕导。

教育及工作经历：

工作经历：

2019年-至今，南京工业大学；

2014年-2018年，天津大学。

教育经历：

2009.09-2013.10，博士，新南威尔士大学；

2007.09-2009.07，硕士，中国矿业大学；

2003.09-2007.07，学士，中国矿业大学。

主要科研经历、成果

1. 2020.05-2021.12，北京航空航天大学项目，基于***高光谱数据目标探测，主持
2. 2017.1-2019.12，国家自然科学基金项目，基于深度卷积神经网络和超像素 CRF 模型的高空间分辨率遥感图像多尺度特征提取与分类识别研究，主持
3. 2014.10~2017.10，天津市自然科学基金，融合空间信息与光谱信息的高光谱遥感智能地物识别研究，主持
4. 2018.08-2021.12，国家重点研发计划，海上丝绸之路运输环境安全保障服务系统集成与应用示范，子任务负责人
5. 2016.10-2019.10，国家海洋局创新示范项目，涉海轻小型激光雷达仪及应用开发，主持
6. 2015.01-2019.12，国家自然科学基金重点项目，城市真正射影像与景观生成研究，子项目主持

代表性学术论文和著作

1. Rongting Zhang, Guoqing Zhou, **Guangyun Zhang**, Xiang Zhou and Jingjin Huang, RPC-Based Orthorectification for Satellite Images Using FPGA, 1-24, Sensors, 2018.
2. Jingjin Huang, Guoqing Zhou, Dianjun Zhang, **Guangyun Zhang**, Rongting Zhang & Oktay Baysal, An FPGA-based implementation of corner detection and matching with outlier rejection, International journal of Remote Sensing, pp. 1-30, Aug 2018.
3. **Guangyun Zhang**, Rongting Zhang, Guoqing Zhou & Xiuping Jia, Hierarchical spatial features learning with deep CNNs for very high-resolution remote sensing image classification,

International journal of Remote Sensing, pp. 1-19, Aug 2018.

4. 周国清, 黄帅, 张广运*, 多类型调频连续波激光雷达测距原理与仿真分析, 1479-1485 页, 12 期, 激光与红外, 2017。
 5. **G. Zhang**, X. Jia and J. Hu, Super pixel based graphical model for remote sensing image mapping, *IEEE Transactions on Geoscience and Remote Sensing*, vol. 53, pp. 5861-5871, 2015.
 6. G. Zhou, J. Huang, T. Yue, Q. Luo and **G. Zhang**, Temporal-spatial distribution of wave energy: a case study of Beibu Gulf, China, *Renewable Energy*, vol. 74, pp. 344-356, 2015.
 7. G. Zhou, J. Huang and **G. Zhang**, Evaluation of the wave energy conditions along the coastal waters of Beibu Gulf, China, *Energy*, DOI: 10.1016, 2015.
 8. **G. Zhang** and X. Jia, "Simplified conditional random fields with class boundary constraint for spectral-spatial based remote sensing image classification," *IEEE Geoscience and Remote Sensing Letters*, vol. 9, pp. 856-860, 2012.
 9. **G. Zhang**, X. Jia, T. D. Pham, and D. I. Crane (2009), "Multistage spatial property based segmentation for quantification of fluorescence distribution in cells," CMLS'09.
 10. **G. Zhang**, X. Jia (2011), "Feature selection using kernel based local Fisher Discriminant analysis for hyperspectral image classification," *IGARSS2011*, Canada, July 2011.
 11. **G. Zhang**, X. Jia, and N.M. Kwok (2011), "Spectral-spatial based super pixel remote sensing image classification," CISP'11, Shanghai, China, October 2011.
 12. **G. Zhang**, X. Jia and N. M. Kwok (2012), "Super pixel based remote sensing image classification with histogram descriptors," *IGARSS*, Munich, 2012.
 13. Q. Luo, G. Zhou, **G. Zhang**, J. Huang, THE TEXTURE EXTRACTION AND MAPPING OF BUILDINGS WITH OCCLUSION DETECTION, *IGARSS*, 2016.
 14. H. Zhu, J. Yin, D. Yuan, X. Liu, **G. Zhang**, DEM-BASED SHADOW DETECTION AND REMOVAL FOR LUNAR CRATERS, *IGARSS*, 2016.
1. 基于 DSP 的嵌入式遥感图像稀疏编码字典学习方法 (发明专利)
 2. 一种基于稀疏编码的 LiDAR 点云数据修复方法 (发明专利)

教学情况

承担本科生课程遥感原理与应用, 研究生课程遥感数字图像处理。

招生及领域及方向

摄影测量与遥感

联系方式

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