

趙鍵哲 副教授 Jen -Jer Jaw

Associate Professor

學歷/ 美國俄亥俄州立大學博士

Ph.D., Ohio state University

專長/ 攝影測量、遙感探測、影像處理、誤差理論

Photogrammetry, Remote Sensing, Image Processing, Error Theory

期刊論文 (Journal Papers)

中文期刊

1. 丁皓偉、趙鍵哲，2017。結合十字區塊匹配之半全域匹配法，航測及遙測學刊，22(3): 157-180。(106 年度傅安明先生學術傑出論文獎)
2. 李冠臻、趙鍵哲，2018。以光學框幅式影像進行水位面及水下物點定位之定性分析，航測及遙測學刊，23(4): 223-243。(107 年度年會論文獎)
3. 張雅博、趙鍵哲，2019。利用衛星影像以有理函數物像對應解算水位面高程及水下物點三維坐標，航測及遙測學刊，24(2): 89-110。(108 年度年會論文獎)
4. 楊軒、趙鍵哲，2020。優化魚眼鏡頭率定，航測及遙測學刊，25(2): 71-86。(109 年度年會論文獎)
5. 劉宣萱、趙鍵哲，2021。精化多視角影像密匹配及點雲產製，航測及遙測學刊，26(2): 75-94。
6. 趙鍵哲、王思涵，2021。你會想一窺究竟的平面擬合，土木水利，48(5):30-42。

英文期刊

1. Chuang, T.Y., and J.J. Jaw, 2017. Multi-Feature Registration of Point Clouds. Remote Sensing, 9,281. (SCI).
2. Chuang, T. Y., H.W. Ting, and J.J. Jaw, 2018. Dense Stereo Matching with Edge-Constrained Penalty Tuning, IEEE Geoscience and Remote Sensing Letters, 15(5): 664-668. (SCI)
3. Tsai, F., C.H. Lin, W.W. Chen, J.J. Jaw, and K.H. Tseng, 2020. Editorial for the Special Issue on Selected Papers from the "2019 International Symposium on Remote Sensing", Remote Sensing, 12(12),1947.(SCI)

研討會論文 (Conference Papers)

中文論文

1. 張雅博、趙鍵哲，2017。衛星影像動態共線式解算水位面及水下物點三維坐標成效分析，第三十六屆測量及空間資訊研討會，成功大學，台南，CD-ROM。(學生論文獎)
2. 邱鼎方、趙鍵哲，2017。次像元邊緣偵測輔助於視差不連續處密匹配，第三十六屆測量及空間資訊研討會，成功大學，台南，CD-ROM。
3. 李冠臻、趙鍵哲，2017。以光學影像幾何法解算水位面及水下物點三維坐標，第三十六屆測量及空間資訊研討會，成功大學，台南，CD-ROM。
4. 楊軒、趙鍵哲，2018。基於魚眼物像對應模式之魚眼相機率定的策略研擬，第三十七屆測量及空間資訊研討會，中央大學，中壢，CD-ROM。
5. 張家綿、趙鍵哲，2019。考量Mixed Pixels Effect之雷射測距修正，第三十八屆測量及空間資訊研討會，國防大學，大溪，CD-ROM。(學生論文獎)
6. 蕭人瑜、趙鍵哲，2021。基於魚眼鏡頭之長廊狀場域攝影測量配置分析，第三十九屆測量及空間資訊研討會，台北大學，三峽，CD-ROM。
7. 王思涵、趙鍵哲，2021。羽毛球三維重建與尺寸量測：基於旋轉台與人工紋理輔助之攝影測量方法，第三十九屆測量及空間資訊研討會，台北大學，三峽，CD-ROM。(學生論文獎佳作)

英文論文

1. Chiu, T.F., and J.J. Jaw, 2017. Performance Comparison of Canny and Edge Drawing Operators in Edge Detection and Matching, International Symposium on Remote Sensing, 17-19 May 2017, Nagoya, Japan, CD-ROM. (Student Award)
2. Chang, Y.P., and J.J. Jaw, 2017. Simultaneously Determining Water Surface and Underwater Object Points through Rational Functional Model, International Symposium on Remote Sensing, 17-19 May 2017, Nagoya, Japan, CD-ROM.
3. Lee, K.C., and J.J. Jaw, 2017. Study on Air-to-Water Photogrammetric Intersection Solving for Water Surface and Underwater Object Points, International Symposium on Remote Sensing, 17-19 May 2017, Nagoya, Japan, CD-ROM.
4. Chiu, T.F., and J.J. Jaw, 2017. Subpixel Edge Detection with Quality Indicator Aided to Preserving the Depth Discontinuities, The 38th Asian Conference on Remote Sensing, 23-27, October, New Delhi, India, CD-ROM.
5. Lee, K.C., and J.J. Jaw, 2017. Quality and Effectiveness of Geometric Approach Solving Water Surface and Underwater Object Points, The 38th Asian Conference on Remote Sensing, 23-27, October, New Delhi, India, CD-ROM. (Poster Award)
6. Chang, Y.P., and J.J. Jaw, 2018. Rational Function Based Water Surface and Underwater Object Point Determination, International Symposium on Remote Sensing, Pyeongchang, Korea, CD-ROM. (Student Award)
7. Lee, K.C., and J.J. Jaw, 2018. Water Surface Determination through Photogrammetric Intersection Employing Control Information, International Symposium on Remote Sensing, Pyeongchang, Korea, CD-ROM. (Student Award)
8. Yang, H., and J.J. Jaw, 2018. The Preliminary Study on Optical-Based Speed Enforcement System (OBSES), International Symposium on Remote Sensing, Pyeongchang, Korea, CD-ROM.

9. Yang, H., and J.J. Jaw, 2018. Effective Implementation of Fisheye Lens Calibration Based on Geometric Projection Model, The 39th Asian Conference on Remote Sensing, Kuala Lumpur, Malaysia, CD-ROM.
10. Chang, C.M., and J.J. Jaw, 2019. Mixed Pixels Effect Modeling of Laser Rangefinder, CD-ROM Proceedings of International Symposium on Remote Sensing, Taipei, Taiwan.
11. Liu, H.H., and J.J. Jaw, 2019. Refinement of Dense Image Matching Strategy and Point Cloud Through Multiple Views, CD-ROM Proceedings of International Symposium on Remote Sensing, Taipei, Taiwan.
12. Yang, H., and J.J. Jaw, 2019. Analyzing The Object-to-Image Correspondence Alternatives of Fisheye Lens Based on Geometric Projection Models, CD-ROM Proceedings of International Symposium on Remote Sensing, Taipei, Taiwan. (Student Award)
13. Chang, C.H., and J.J. Jaw, 2019. Laser Ranging Correction under Mixed Pixels Effect. CD-ROM Proceedings of The 40th Asian Conference on Remote Sensing, Daejeon, Korea.
14. Liu, H.H., and J.J. Jaw, 2019. The Strategy for Multi-view Dense Image Matching and Point Cloud Refinement. CD-ROM Proceedings of The 40th Asian Conference on Remote Sensing, Daejeon, Korea.
15. Liu, Y.J., and J.J. Jaw, 2019. Solution Analysis of Scale Factor in 3D Spatial Similarity Transformation. CD-ROM Proceedings of The 40th Asian Conference on Remote Sensing, Daejeon, Korea.
16. Chang, C.M., and J.J. Jaw, 2020. Laser Ranging Modeling under Generalized Mixed Pixels Effect. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLIII-B1-2020, 157–164.
17. Wang, S.H., and J.J. Jaw, 2021. Turntable-Based and Artificial Texture-Aided 3D Reconstruction of Shuttlecock. CD-ROM Proceedings of International Symposium on Remote Sensing, Busan, Korea.(on-line Symposium)
18. Chao, C.W., and J.J. Jaw, 2021. On Weighted Least-Squares CD-Spline for Fitting the Shorelines. CD-ROM Proceedings of International Symposium on Remote Sensing, Busan, Korea.(on-line Symposium)
19. Wang, S.H., and J.J. Jaw, 2021. Turntable-Based and Artificial Texture Aided Photogrammetric 3D Reconstruction and Specification Measurement of Shuttlecock. CD-ROM Proceedings of The 42nd Asian Conference on Remote Sensing, Can Tho, Vietnam. (JSPRS Award)

技術報告及其他 (Technical reports and others)

1. 趙鍵哲，2017。以最佳化立體匹配演算法產製高密度點雲之研究(2)，一百零四年度科技部專題研究成果報告書，計畫編號: MOST 104-2119-M-002 -025。
2. 趙鍵哲，2018。光學影像水下物點三維定位。一百零五年度科技部專題研究成果報告書。計畫編號: MOST 105-2119-M-002-053。
3. 趙鍵哲，2018。光學影像水下物點三維定位 (二)。一百零六年度科技部專題研究成果報告書。計畫編號: MOST 106-2119-M-002-037。
4. 趙鍵哲，2020。以人工紋理輔助攝影測量三維重建。一百零七年度科技部專題研究成果報告書。計畫編號: MOST 107-2119-M-002-042。
5. 趙鍵哲，2021。魚眼鏡頭物像對應優化。一百零八年度科技部專題研究成果報告書。計畫編號: MOST 108-2621-M-002-004。

6. 趙鍵哲，2021。以攝影測量進行水下空間資訊重建。一百零九年度科技部專題研究成果期中報告書。計畫編號: MOST 109-2121-M-002-007-MY3。