

Jing Zhang

Curriculum Vitae

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Education

- 2019 **Ph.D.**, Wuhan University, Wuhan, *LIESMARS*.
Specialization: Photogrammetry and Remote Sensing
- 2017 **M.Sc.**, Wuhan University, Wuhan, *LISMARS*.
Specialization: Surveying and Mapping Engineering
- 2012 **B.E.**, Wuhan University, Wuhan, *School of Geodesy and Geomatics*.
Specialization: Surveying and Mapping Engineering

Research Interests

Lithic Use-Wear Analysis · 3D Perception · 2D/3D Image Processing · the Application of Artificial Intelligence in Archaeology

Recent Publications

- [J-1] [2023](#) **Jing Zhang**, Bin Luo, Fuqian Li, Xingman Niu, Qican Zhang, Yajun Wang, and Xiangcheng Chen, "Single-exposure optical measurement of highly reflective surfaces via deep sinusoidal prior for complex equipment production," **IEEE Transactions on Industrial Informatics**, vol. 19, no. 2, pp. 2039-2048, 2023.
<https://doi.org/10.1109/TII.2022.3185660>
- [J-2] [2021](#) **Jing Zhang**, Bin Luo, Zhuolong Xiang, Qican Zhang, Yajun Wang, Xin Su, Jun Liu, Lu Li, and Wei Wang, "Deep-learning-based adaptive camera calibration for various defocusing degrees," **Optics Letters**, vol. 46, pp. 5537-5540, 2021. (**Highlighted as an Editor's Pick**)
<https://doi.org/10.1364/OL.443337>
- [J-3] [2019](#) **Jing Zhang**, Bin Luo, Xin Su, Yuwei Wang, Xiangcheng Chen, and Yajun Wang, "Depth range enhancement of binary defocusing technique based on multi-frequency phase merging," **Optics Express**, vol. 27, pp. 36717-36730, 2019.
<https://doi.org/10.1364/OE.27.036717>
- [J-4] [2018](#) Yajun Wang, **Jing Zhang**, and Bin Luo, "High dynamic range 3D measurement based on spectral modulation and hyperspectral imaging," **Optics Express**, vol. 26, pp. 34442-34450, 2018.
<https://doi.org/10.1364/OE.26.034442>
- [J-5] [2022](#) Sijie Zhu, Zhoujie Wu, **Jing Zhang**, Qican Zhang, Yajun Wang, " Superfast and large-depth-range sinusoidal fringe generation for multi-dimensional information sensing, " **Photonics Research**, 10, 2590-2598, 2022.
<https://doi.org/10.1364/PRJ.468658>
- [P-1] [2019](#) Yajun Wang; Bin Luo; **Jing Zhang**; Daming Li; Wei Wang. Binary Defocusing Method for Large-Depth-Range 3D Measurement based on Multi-Focal Projection System. ZL201910584255X

Honors and Awards

- 2023 Outstanding graduate, Wuhan University
- 2020 & 2021 Prize of Academic Scholarship, Wuhan University
- 2020 Outstanding Graduate Student, Wuhan University

Technical Skills

- OS MS Windows, Ubuntu Linux
- Text Editing TeX (LaTeX, BibTeX), MS Office