

# Fushuo Huo

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## EDUCATION

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**Chongqing University**, Chongqing, China

Sept. 2019 – Present

M.S. in Electrical Engineering

Advisor: Prof. Xuegui Zhu and Prof. Lei Zhang

**China University of Mining and Technology**, Jiangsu, China

Sept. 2015 – June 2019

B.S. in Electrical Engineering and Automation

Minor in Finance

## PUBLICATIONS

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1. **Fushuo Huo**, Xuegui Zhu, Lei Zhang, Qifeng Liu, Yu Shu. Efficient Context-Guided Stacked Refinement Network for RGB-T Salient Object Detection. *IEEE Transactions on Circuits and Systems for Video Technology (IEEE TCSVT)*, **JCR Q1**, Early Access.
2. **Fushuo Huo**, Bingheng Li, Xuegui Zhu. Efficient Wavelet Boost Learning-Based Multi-stage Progressive Refinement Network for Underwater Image Enhancement. *International Conference on Computer Vision Workshop (ICCVW)* in *Advances in Image Manipulation*. Accepted.
3. **Fushuo Huo**, Xuegui Zhu, Hongjiang Zeng, Qifeng Liu, Jian Qiu. Fast Fusion-Based Dehazing With Histogram Modification and Improved Atmospheric Illumination Prior. *IEEE Sensors Journal (IEEE SJ)*, **JCR Q2**, Feb. 2021.
4. Xuegui Zhu, Yu Shu, Chaopeng Luo, **Fushuo Huo**, Wang Zhu. Transient Electromagnetic Voltage Imaging of Dense UXO-Like Targets Based on Improved Mathematical Morphology. *IEEE Access*. Aug. 2020.
5. **Fushuo Huo**, et al. Real-time One-stream Semantic-guided Refinement Network for RGB-Thermal Salient Object Detection. **Submitted** to *IEEE Transactions on Instrumentation and Measurement*, **JCR Q1**.

## RESEARCH INTERESTS

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- Computer Vision: Image Enhancement, Image Segmentation, 2D/3D Object Detection
- Machine Learning: Unsupervised Learning, Few/One-Shot Learning, Graph Neural Networks.
- Computational Visual Perception: Visual Saliency, Multi-Modality Fusion.

## SELECTED HONORS

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- 2021, National Scholarship of China, Ministry of Education.
- 2019, 2020, 2021, The First-class Academic Scholarship, Chongqing University.
- 2017, Second Prize of Jiangsu Mathematics Competition.
- 2016, National Encouragement Scholarship of China, Ministry of Education.

## TECH SKILLS

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**DL/CV Tools**

Pytorch, Tensorflow, Keras, OpenCV,

**Programing Languages**

Python, MATLAB, C, HTML, Latex

## ACADEMIC SERVICES

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Reviewers for *IEEE TCSVT*, *IEEE Sensors Journal*, and *ICCVW*