个人简介

一、基本情况

姓名：潘志勇

职称：讲师、硕导

邮箱：zhiyong_pan@wzu.edu.cn

二、教育经历

1. 2011.09-2015.06，浙江师范大学，数理与信息工程学院，通信工程(学士)
2. 2015.09-2018.06，宁波大学，信息科学与工程学院，电子与通信工程(硕士)
3. 2018.09-2021.06，宁波大学，信息科学与工程学院，信号与信息处理(博士)

三、工作经历

2021.08-至今，温州大学计算机与人工智能学院，数字经济研究院，讲师、硕导

四、担任课程

机器学习与数据挖掘、机器学习实践、数字图像处理

五、研究领域

超分辨率、高动态范围成像、光场成像、图像质量评价

六、研究成果

➢ 论文：

[1] Zhao-Min Chen, Xin Jin, Xiaoqin Zhang, Chaoqun Xia, **Zhiyong Pan**, Ruoxi Deng, Jie Hu, and Heng Chen. "Dim: Long-Tailed Object Detection and Instance Segmentation Via Dynamic Instance Memory." *Machine Learning: Science and Technology* ,2023.**(中科院二区)**

[2] Chaoqun Xia, Shuhan Chen, Xiaoqin Zhang, Zhao-Min Chen, and **Zhiyong Pan**. "Infrared Small Target Detection Via Dynamic Image Structure Evolution." *IEEE Transactions on Geoscience and Remote Sensing*, 2022.**(中科院一区)**

[3] **Zhiyong Pan**, Mei Yu, Gangyi Jiang, Haiyong Xu, and Yo-Sung Ho. "Combining Tensor Slice and Singular Value for Blind Light Field Image Quality Assessment," *IEEE Journal of Selected Topics in Signal Processing*, 2021. **(中科院二区)**

[4] **Zhiyong Pan**, Mei Yu, Gangyi Jiang, Haiyong Xu, Zongju Peng, and Fen Chen. "Multi-exposure high dynamic range imaging with informative content enhanced network," *Neurocomputing*, 2020. **(中科院二区)**

[5] 潘志勇,郁梅,谢登梅,宋洋,蒋刚毅.采用精简卷积神经网络的快速视频超分辨率重建.*光电子激光*, 2018. **(北大核心期刊 B 类)**

[6] **Zhiyong Pan,** Gangyi Jiang, Hao Jiang, Mei Yu, Fen Chen, and Qingbo Zhang. "Stereoscopic Image Super-Resolution Method with View Incorporation and Convolutional Neural Networks," *Applied Sciences*, 2017. **(中科院三区)**

[7] Yun Liu, Gangyi Jiang, Zhidi Jiang, **Zhiyong Pan**, Mei Yu, Yo-Sung Ho. "Pseudoreference Subaperture Images and Microlens Image-Based Blind Light Field Image Quality Measurement," *IEEE Transactions on Instrumentation and Measurement*, 2021. **(中科院二区)**

[8] Hua Shao, Mei Yu, Gangyi Jiang, **Zhiyong Pan**, Zongju Peng, Fen Chen. "Strong ghost removal in multi-exposure image fusion using hole-filling with exposure congruency," *Journal of Visual Communication and Image Representation*, 2021. **(中科院三区)**

[9] 黄至娇,郁梅,**潘志勇**.基于剪切波变换的光场图像质量评价方法.*光电子·激光*, 31(02): 187-193, 2020. **(北大核心期刊 B 类)**

[10] Yuanwei Wang, Mei Yu, Gangyi Jiang, **Zhiyong Pan** and Jiqiang Lin. "Image Registration Algorithm Based on Convolutional Neural Network and Local Homography Transformation," *Applied Sciences*, 10(3): 732, 2020. **(中科院三区)**

[11] Ting Luo, Gangyi Jiang, Mei Yu, Caiming Zhong, Haiyong Xu, **Zhiyong Pan**. "Convolutional neural networks-based stereo image reversible data hiding method," *Journal of Visual Communication and Image Representation*, ,2019. **(中科院三区)**

➤ **专利：**

[1] 郁梅，黄至娇，**潘志勇**，项建军，蒋刚毅，一种基于剪切波变换的光场图像质量评价方法，CN110796635B

[2] 郁梅，谢登梅，**潘志勇**，蒋刚毅，一种基于曝光变换的立体高动态范围图像合成方法，CN108924434B

[3] 蒋刚毅，**潘志勇**，郁梅，谢登梅，彭宗举，陈芬，邵华，一种基于精简卷积神经网络的快速视频超分辨率重建方法，CN108830790B

七、项目情况

[1] 面向人类视觉感知的高动态范围光场成像研究,浙江省自然科学基金青年基金项目，LQ23F010001, 2023.1-2025.12，主持

[2] 面向高动态范围的光场成像及质量优化研究,温州市科技计划一般项目，G20220030, 2023.1-2025.12，主持

[3] 基于机器视觉的水下立体成像质量优化及高效编码，国家自然科学基金面上项目，62171243, 2022.1-2025.12，参与

[4] 基于视觉感知的高分辨率高动态范围全景光场计算成像,国家自然科学基金面上项目，62071266, 2021.1-2024.12，参与

[5] 面向 HMD 的高动态范围立体全向视频视觉体验质量评价，国家自然科学基金面上项目，61871247, 2019.1-2022.12，参与

八、获奖情况

1. 温州市 E 类人才，2021 年
2. 宁波大学优秀毕业生, 2018 年
3. 宁波大学优秀共产党员, 2018 年

九、自我评价

做事有耐心、责任心强