

## Special Issue

# Deep Learning-Based Image Restoration and Object Identification

### Message from the Guest Editors

Image restoration is essential to guarantee the success of subsequent stages of computer vision applications, such as detection and segmentation, since it can recover useful textural and structural information and eliminate the effect of irrelevant information. Object identification is a computer vision technology that deals with recognizing instances of semantic objects (such as humans, buildings, or cars) in images and videos. Object identification has attracted increasing attention in recent years due to its wide range of applications, such as security monitoring, autonomous driving, transportation surveillance, and robotic vision. This Special Issue aims to explore recent advances and trends in the use of deep learning and computer vision methods for image restoration/object identification and seeks original contributions that point out possible ways to deal with image data recovery and identification. This includes but is not limited to deep learning techniques, low-level image processing, image restoration, object recognition/detection, and person/car re-identification.

### Guest Editors

Dr. Qiang Wang  
Dr. Weihong Ren  
Dr. Huijie Fan

### Deadline for manuscript submissions

closed (31 January 2025)



## Electronics

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