



Asst. Prof. Ximing Zhang

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Bio:

Ximing Zhang, Ph.D., Special Research Assistant, Xi 'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, Visiting scholar of Australian National University, member of Visual Sensing Committee, Chinese Society of Image and Graphics. Facing the national strategy and major demand of artificial intelligence, it is committed to the theoretical and application research of space remote sensing and intelligent image processing. He has presided over 8 related horizontal projects and participated in 5 national scientific research projects, including 2 national major task. Develop and deliver several sets of satellite-based embedded systems. He has published nearly 20 academic papers and 2 authorized invention patents.

Speech Title:

Target detection and recognition using lightweight networks in remote sensing

Speech Abstract:

As the development of remote sensing and deep learning technology, more reasearchers pay the attention on the remote target detection and tracking. The remote image processing focus on the lightweight networks which can be evolved on orbit, mainly contains the image deblurring, scene association, object detection, tracking and real-time processing on orbit during complex senario. In this topic, the invited speaker will briefly introduce the method and the effort they have paid in this research area.