

Special Issue

Recent Advances in Optical Imaging and 3D Display Technologies

Message from the Guest Editors

Integral imaging has advantages such as a continuous viewpoint, full parallax, no visual fatigue, and the fact that it is free for glasses, and it has been revived over the past decade or so as a promising approach for massive 3D commercialization. Holographic display is based on interference and diffraction of light to produce 3D images. The autostereoscopic 3D display employs a lenticular lens array to divide the 3D sources and rebuild the 3D images according to the binocular parallax principle. 3D display has been widely studied in many research fields, such as education, medical treatment, entertainment, etc. Three-dimensional data security is the process of protecting private data and preventing data loss through unauthorized access. Three-dimensional interaction technology is the use of somatosensory interaction sensors (such as Kinect, Leap Motion) to control 3D images. Therefore, this Special Issue aims to promote the development of 3D technologies, security, and interaction and encourage our colleagues to share and publish their research by submitting an academic paper.

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