Special Issue

Artificial Intelligence, Computer Vision and 3D Display

Message from the Guest Editors

Artificial Intelligence (AI), a pivotal field within computer science, endeavors to empower computers to mimic and interpret human thought processes and decision-making, thereby tackling intricate tasks and problems. Computer Vision, an essential component of AI, involves equipping computers with the capability to comprehend and interpret image and video data. Leveraging machine learning and deep learning techniques, Computer Vision can automate tasks such as image classification, object detection, and face recognition and even surpass human capabilities in some aspects. Meanwhile, 3D Display, as an extension of Computer Vision, further extends its technologies into the realm of three-dimensional space, enabling computers to delve deeper into understanding and perceiving the real world, offering users a more immersive and intelligent experience. (1) 3D imaging; (2) Computer Vision; (3) Holography; (4) 3D display; (5) Image encryption; (6) Computer generated holography; (7) Computational imaging with deep learning (8) Holographic Optical Element; (9) Full-color holography; (10) Holographic display.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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