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Artificial Intelligence, Computer Vision and 3D Display

Guest Editors:

Dr. Yu Zhao

Dr. Yan-Ling Piao

Dr. Hui-Ying Wu

Dr. Xiang Yin

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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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Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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