

Special Issue

Advanced Image Processing and Computer Vision

Message from the Guest Editors

Advanced image processing (AIP) and computer vision (CV) are broad research topics, which continue to have impacts and generate innovation in a wide range of real-world applications. Nowadays, artificial intelligence (AI) permeates our daily activities and has become the core technology for AIP and CV tasks. Although these AI-based algorithms have achieved remarkable success, the existing technology has promising performance from a data-driven perspective. Thus, novel AI-based algorithms for AIP and CV are urgently needed, especially in those research fields in which data scarcity and/or data quality are concrete issues. Furthermore, the need for a human-centric AI approach should be highlighted, ensuring that the technology is ethical, explainable and fair. This Special Issue aims to collect scientific articles, literature reviews and in-depth technical reports on the design, development and/or deployment of innovative AI-based algorithms for AIP and CV in real-world application scenarios, with a particular, though not sole, focus on medical scenarios.

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