



Advanced Image Processing and Computer Vision

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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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