

Special Issue

Deep Learning in Image Analysis: Progress and Challenges

Message from the Guest Editor

Due to its huge advantages, deep-learning-related methods have become the mainstream technology in image analysis, making significant progress and holding vast prospects. They are applied in a variety of tasks, such as image classification, object segmentation, object detection, image registration, image fusion, biomedical engineering, natural language processing, etc. We request contributions presenting techniques (methods, tools, ideas, or even market evaluations) that will contribute to the future roadmap of deep learning, as well as concepts for significantly innovative objectives in image analysis techniques. This Special Issue will discuss the novel supervised, unsupervised, semi-supervised, few-shot, etc., deep learning methods in image analysis, including classification, segmentation, detection, registration, domain generalization, multi-modality fusion, etc. Scientifically founded innovative and speculative research lines are welcome for proposal and evaluation.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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