

Special Issue

Machine Learning-Based Digital Imaging Diagnosis

Message from the Guest Editor

Papers on the practical application of artificial intelligence (AI) to digital imaging, with a focus on clinical diagnosis, potential artifact identification, or preventive medicine, are invited to be submitted to this Special Issue, entitled "Machine Learning-based Digital Imaging Diagnosis". AI-related studies may include machine learning techniques, data mining analyses, inverse problem algorithms, neural networks, or any other approaches broadening the application of computer-aided and numerical methods to improve imaging diagnosis accuracy in the clinical field. Papers involving the processing or post-processing of digital images obtained via CT, PET-CT, X-ray, MRI, gamma camera, or sonography, as well as the respective results of specific studies or practical surveys, are welcome. Since computer-aided diagnosis has unique features in assisting routine diagnosis, it should be seamlessly and comprehensively implemented into clinical surveys. Many presumptions have to be considered in advance in order to fulfill future needs. Improving diagnostic accuracy and reproducibility is a challenge addressed in this Special Issue from various perspectives.

Guest Editor

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