Special Issue

Biomedical Image Processing and Classification

Message from the Guest Editor

Biomedical image processing is an interdisciplinary field that spreads its foundations throughout a variety of disciplines, including electronic engineering, computer science, physics, mathematics, physiology, and medicine. Biomedical image processing is finding an increasing number of important applications. If associated with classification methods, it can support the development of computer-aided diagnosis (CAD) systems, e.g., for the identification of a diseased tissue or a specific lesion or malformation.

The aim of this Special Issue is to collect high-quality works that document a wide range of image processing applications to biomedical problems. Topics of interest include (but are not limited to) image enhancement, registration, segmentation, restoration, compression, and movement tracking, with the aim of identifying tissue properties or the pathology of a patient.

- Image registration
- Image segmentation
- Motion tracking
- Computer-added diagnosis
- Deep learning
- Machine learning and classification
- Patient-specific diagnosis

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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