Medical Image Computing and Analysis

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Message from the Guest Editors

The aim of this Special Issue of *Electronics* is to present state-of-the-art investigations in medical image computing and analysis for improving current applications and exploring novel applications in medicine. It will also be a question in this Special Issue to confront and make the link between the classical approaches based on interpretable and flexible models and the new trend represented by the approaches based on deep learning which seem to become widespread. Towards achieving this aim, we invite researchers to contribute original and unique articles, as well as review articles. Topics include, but are not limited to, the following areas:

- Medical Image Processing and Analysis
- Video Processing and Analysis for Medical Diagnosis
- Video Guided Surgery
- Medical Image Datasets for Deep Learning Models
- Computer-Aided Diagnosis
- Learning-Based Image Enhancement
- Weakly-Supervised Medical Image Segmentation
- Image Visualization and Reconstruction
- Mixed, Augmented, and Virtual Reality
- Image Registration
- Image Guided Navigation
- Deep Learning for Medical Imaging

Special Issue

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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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