Special Issue

Machine Learning for Biomedical Imaging Applications

Message from the Guest Editor

This Special Issue aims to discuss practical applications of machine learning technologies in biomedical imaging and to enable the next generation of strong AI methods, ensuring robust and interpretable AI-based solutions. We hope that clinicians can better understand and effectively use this emerging technology, and AI researchers can further improve models and algorithms from clinical feedback. To this end, we invite articles that bridge the gap between machine learning research and its biomedical imaging applications to be submitted and published. Research areas may include (but are not limited to) the following:

- Disease detection, disease classification, disease characterization, and disease screening;
- Treatment outcome prediction, treatment response evaluation;
- Image quality improvement, image acquisition acceleration;
- Radiation dose reduction, synthetic image generation across different modalities.

We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2024)

Electronics

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.

Editor-in-Chief

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