

Special Issue

AI Algorithms in Medical Imaging

Message from the Guest Editors

We invite you to submit your latest research on AI algorithms in medical imaging. This Special Issue will provide a forum for disseminating new research results on medical and biological image analysis, and how AI is currently playing an active role in this field. The proposed Special Issue, “AI algorithms in medical imaging”, will publish original peer-reviewed research articles on the development, evaluation, and use of imaging techniques and image processing tools to diagnose and manage diseases. Furthermore, the prime focus of this Special Issue is on unifying the sciences of medicine, biology, and imaging, emphasizing the common ground where instrumentation, hardware, software, mathematics, physics, biology, and medicine interact through new analysis methods. Contributions are encouraged that describe novel acquisition techniques, medical image processing and analysis, visualization and performance, pattern recognition, machine learning, and related methods. Studies involving highly technical perspectives are most welcome.

Guest Editors

Dr. Yan Pei

Prof. Dr. Jianqiang Li

Dr. Faheem Akhtar Rajput

Deadline for manuscript submissions

closed (31 August 2024)



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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

Prof. Dr. Frank Werner

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