Special Issue

Latest Approaches for Medical Image Analysis

Message from the Guest Editors

Medical imaging is a broad field that involves image capture for diagnostic and therapeutic purposes. Processing and analyzing medical images are often used to visualize anatomy or assess the function of human organs, pinpoint areas of pathology, analyze biological and metabolic processes, develop treatment plans, and perform image-guided surgery. This powerful tool brings much-needed quantitative information, providing enhanced medical information to benefit patients without increasing the already high cost of healthcare. In addition, the large number of applications that rely on this technology has increased the need for efficient, accurate, and reliable algorithms for medical image processing and analysis, especially as imaging techniques become increasingly complex and the number of images that need to be processed increases. The main topic of this issue will be medical image analysis, with a focus on its recent applications and developments in the clinic. We also believe that there are many obstacles and problems for medical image analysis technology to revolutionize clinical practice.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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