Special Issue

The Application of Machine Learning in Medical Image Processing

Message from the Guest Editors

From several perspectives, including clinical research, decision support, and public health, machine learning has become essential to the healthcare sector. Medical image processing techniques have significantly changed in response to the introduction of various machine learning approaches. The use of automated computer-aided tools (which offer precise descriptions of disease characteristics) may enable radiologists to make more accurate diagnoses of a variety of diseases. This Special Issue aims to apply machine learning in medical image processing, including 2D and 3D image classification, segmentation, disease prediction, etc. We invite you to submit original research articles, review articles and short technical communications on the above topics and areas. Research areas may include (but are not limited to) the following:

- Machine learning;
- Deep learning;
- Artificial intelligence;
- Data mining;
- Medical signal and data processing, including preprocessing, classification, recognition, reconstruction, registration, etc.;
- Medical imaging and pattern recognition;
- Quantitative imaging analysis;
- Computer-aided diagnosis.

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Deadline for manuscript submissions

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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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