Special Issue

Texture Analysis Application in Medicine

Message from the Guest Editor

Disease determination and treatment suggestions are based on uni- or multimodal medical image analysis. Nowadays, visual inspection of these data makes the diagnosis dependent on the physicist's experience and training. Yet, computer-aided medicine endeavors to establish comparable solutions between medical centers, assuring high standards. Therefore, the progress and automatization of medical image understanding are necessary to support technological development in this domain.

Several medical data analysis methods based on texture analysis have been developed in recent years, leading to significant advances in the field. The automatic analysis of medical data is one of the most active areas in computer vision research. This Special Issue seeks original technical and review papers on the latest applications of texture analysis in medicine.

Topics of interest include, but are not limited to, the following:

Medical image processing and understanding
Computed tomography
Micro-computed tomography
Cone beam computed tomography
Optical coherence tomography
Magnetic resonance
Ultrasonography
Whole-slide imaging
Computer-aided diagnosis

Guest Editor

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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.

Editor-in-Chief

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