Radiomics and Texture Analysis in Medical Imaging

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Message from the Guest Editors

Dear Colleagues,

Recent years have seen a rising interest in quantitative image analysis using techniques such as texture analysis. This has led to the introduction of the term radiomics, which has come to define large radiological image-derived feature sets, primed for exploration and analysis with data mining or machine learning approaches. The field of radiomics represents a great opportunity to extract additional value and information from medical imaging, beyond what physicians are used to assessing qualitatively or with current quantitative analyses. […]. To allow for real-world applications of radiomic data, high-quality investigations both on the extraction process and data interpretation are still required. Out of large radiomic datasets, robust features must be identified, and their clinical value must be demonstrated.

This Special Issue will present and highlight high-quality studies focused on texture analysis and radiomics across a variety of imaging modalities and pathologies, to provide a valuable contribution to this field and aid its further progress towards clinical applicability.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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