Special Issue

Deep Learning for Semantic Segmentation and Explainable AI Based on Sensing Technology

Message from the Guest Editors

Semantic segmentation is a key problem in computer vision that can lead to comprehensive analysis and understanding of a given sample. An increasing number of applications show the importance of image understanding as a core problem, especially in the medical field, through knowledge inference from imagery data. In recent years, COVID-19 had an enormous impact on societies and in particular on individuals' health. For this reason, researchers paid particular attention to studies on medical images such as chest X-rays, demonstrating the potential for semantic analysis and interpretation in this field. This Special Issue focuses on deep learning models presented to deal with semantic analysis and interpretation of images. It is anticipated that the submitted papers will discuss problem conceptualization, data representation, feature analysis, deep learning models, comparisons to available work and substantive interpretation of results. keywords:

- explainable AI
- semantic analysis
- image classification
- sensors for computer vision
- smart sensors

For more information, please visit: mdpi.com/si/K0K6A

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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