

Special Issue

Image Sensing Detection in Bio-Systems Using Convolutional Neural Networks

Message from the Guest Editors

Deep learning is fast emerging as the state-of-the-art approach in many problems in image analysis and computer vision across several scientific domains in the life sciences, including biomedical image analysis and computer vision in agriculture. This Special Issue is focused on solving computer vision problems in bio-systems (e.g., digital phenotyping, agricultural yield estimation, disease detection, and wildlife monitoring) by using convolutional neural networks for object detection. As the field of deep learning is driven by data, the use of these techniques requires area-specific insights.

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Deadline for manuscript submissions

closed (31 July 2021)



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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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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