Special Issue

Advanced Deep Learning for Biomedical Sensing and Imaging

Message from the Guest Editors

This Special Issue aims to assemble recent research from biomedical imaging and sensing communities regarding DL applications, innovative biomedical imaging techniques and their novel applications. The scope of this Special Issue encompasses, but is not limited to, the following topics:

- Deep learning algorithms for biomedical image and signal analysis, including fluorescence sensing and imaging, fluorescence lifetime sensing and imaging, optical coherence tomography, diffuse tomography, and endoscopy;
- Deep learning for data analysis in biomedical sensors;
- Biomedical image reconstruction, denoise, and resolution enhancement based on sensors;
- Biomedical image and sensor signal classification and segmentation;
- Biomedical imaging-assisted clinical diagnosis and surgical guidance;
- Multi-modality image transformation based on sensors;
- Object detection and localization based on sensors;
- On device deep learning for biomedical sensing and imaging.

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Message from the Editor-in-Chief

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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