

## Special Issue

# Image Processing and Pattern Recognition Based on Deep Learning—2nd Edition

### Message from the Guest Editors

The aim of this Special Issue is to publish original research contributions concerning new neural-network-based approaches of image processing and pattern recognition with direct applications in different domains, such as: remote sensing, crop monitoring, boarding monitoring, system support in medical diagnosis, emotion detection, and so on. The scope of the Special Issue includes (but is not limited to) the following scope research areas concerning the image processing and pattern recognition by the aid of new artificial intelligence techniques:

- Image processing;
- Pattern recognition;
- Image segmentation;
- Object classification;
- Neural networks;
- Deep learning;
- Decision fusion;
- Systems based on multiple neural networks;
- The detection of regions of interest from remote images;
- Industry applications;
- Precision agriculture application;
- Medical application;
- The monitoring of protected areas;
- Disaster monitoring and assessment.

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### Deadline for manuscript submissions

closed (25 November 2024)



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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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