Image Processing and Pattern Recognition Based on Deep Learning

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Message from the Guest Editors

The aim of this Special Issue is to publish original research contributions concerning new neural-network-based approaches to image processing and pattern recognition with direct application in different domains, such as remote sensing, crop monitoring, boarding monitoring, system support in medical diagnosis, emotion detection, etc.

The scope of this Special Issue includes (but is not limited to) the following research areas concerning image processing and pattern recognition aided by new artificial intelligence techniques:

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

Special Issue

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Message from the Editor-in-Chief

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