

Special Issue

Deep Learning Methods for Aerial Imagery

Message from the Guest Editors

Deep learning methods have grown in popularity and have contributed to dramatic increases in performance in various areas of computer vision and other disciplines. In this Special Issue, we invite authors to contribute papers on deep learning methods for aerial imagery using data from unmanned aerial systems and spaceborne or airborne platforms. Aerial imaging has diverse applications, including but not limited to surveillance, environmental monitoring, smart cities, transportation and urban planning, visual odometry, unmanned aerial system obstacle avoidance, precision agriculture, infrastructure mapping and monitoring, land cover, natural resources, construction, geospatial epidemiology, humanitarian assistance, and disaster relief. Proposed algorithms and methods may consider various sensing modalities—e.g., RGB, panchromatic, thermal, multispectral, hyperspectral, SAR, and LIDAR. We invite authors to submit high-quality manuscripts on computer vision and the image analysis of aerial data contributing novel algorithms, systems, review articles, new datasets, or benchmarking studies.

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Deadline for manuscript submissions

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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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