Special Issue

Artificial Intelligence in Computer Vision: Methods and Applications

Message from the Guest Editors

This Special Issue aims to cover recent advancements in computer vision that involve using artificial intelligence methods, with a particular interest in sensors and sensing. Both original research and review articles are welcome. Typical topics include but are not limited to the following:

- Physical, chemical, biological, and healthcare sensors and sensing techniques with deep learning approaches;
- Localization, mapping, and navigation techniques with artificial intelligence;
- Artificial intelligence-based recognition of objects, scenes, actions, faces, gestures, expressions, and emotions, as well as object relations and interactions;
- 3D imaging and sensing with deep learning schemes;
- Accurate learning with simulation datasets or with a small number of training labels for sensors and sensing;
- Supervised and unsupervised learning for sensors and sensing;
- Broad computer vision methods and applications that involve using deep learning or artificial intelligence.

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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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