

Special Issue

Machine Learning Based 2D/3D Sensors Data Understanding and Analysis

Message from the Guest Editors

The growing development of various 2D/3D image sensors which could do more and more complex work including detecting, recognizing, reconstructing, and predicting objects, makes image sensing and processing necessary all over the world in different domains, such as medicine, mechanics, sociology and so on. Machine learning methods, a branch of artificial intelligence (AI) and computer science, focus on the use of data and algorithms to imitate the way that humans learn. Given this, a variety of machine learning methods such as supervision, un-supervision and semi-supervision are quickly becoming the state-of-the-art for 2D/3D understanding in these fields. Therefore, the ultimate outcome would be increased quality of life and improving social services to the population. This Special Issue seeks original submissions and the latest technologies covering all topics relating to the applications of machine learning with image sensors. Submissions related to new sensor data understanding are also welcome.

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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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