Special Issue

Efficient Sensing, Learning and Vision for Autonomous Robotics

Message from the Guest Editor

Autonomous robots are becoming increasingly more intelligent, powerful, and practical in real-world applications, due to the great advancements in machine learning, computer vision, and artificial intelligence. In order to correctly perceive and understand the 3D world in space and time and be able to act intelligently and fast, efficient robotics systems should be equipped with accurate sensors of small dimensions, learn unsupervised from large quantities of data, and compute fast and at low cost the most advanced vision, navigation, and planning algorithms. This Special Issue aims to bring together state-of-the-art research in vision, sensing, and learning for autonomous robots and UAVs, in order to find the right balance and synergy between the research topics involved and thus strengthen the next steps required in the development of future intelligent machines.

Guest Editor

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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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