Special Issue

Collaborative and Cooperative Sensors

Message from the Guest Editor

Presently, sensing and sensors are core parts of enlarging the human understanding of natural phenomena. The horizon of human understanding expands through deploying massive amounts of sensors and sensor networks. Of course, the success of artificial and deep learning techniques heavily depends on the data gathered from the sensors and, at the same time, the deep learning provides us with an easy way to analyze and understand the sensor data. Sensors or sensor systems are normally deployed in remote areas, with small-size batteries and for multiple cooperative missions. A main question in massively deploying such multiple-objective sensors is how to extend their lifetime, how to enhance their sensing accuracy, how to safely and reliably collect the data, and how to make them more economical. Collaborative and cooperative sensors may be critical to finding the answers to these questions. This Special Issue shall collect research devoted to the development of new methods in the field of cooperation and collaboration in sensors, sensor systems and sensor networks, which especially enable the economic deployment of massive sensors.

Guest Editor

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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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