Special Issue

Advanced Sensing and Measurement Control Applications

Message from the Guest Editors

Highly integrated and multifunctional sensors have boosted the rapid growth in research and applications across various fields from machine failure detection, food quality control and pharmaceutical manufacture to human health monitoring. To achieve reliable, accurate and useful outcomes, however, requires advanced algorithms. Algorithms can be used in the display of information, and their calculations and compensations can be used to handle the vagaries of the sensors. It is the algorithm that turns sensor output into presentable information (displays) that is understandable to patients/users. The aim of this Special Issue is to illustrate recent achievements in sensing technique development and to present both measurement control applications and state-of-the-art algorithms, including deep/machine learning and artificial intelligence, in order to produce an effective, reliable and simple user interface. Articles involving an in-depth discussion of specific problems, such as a clinical/medical data analysis, will also be considered, as these are rarely published yet are important to indicate potential pitfalls to avoid and methods to compensate for them.

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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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