Special Issue

Laser Sensors for Displacement, Distance and Position

Message from the Guest Editor

Laser sensors can be used to measure distances to objects and their related parameters (displacements, position, surface profiles, velocities and vibrations). Laser sensors are based on many different optical techniques, such as triangulation, time-of-flight, confocal and interferometric sensors. As laser sensor technology has been improved, the size and cost of sensors have decreased, which led to widespread use of laser sensors in many areas. In addition to traditional manufacturing industry applications, laser sensors are increasingly used in robotics, surveillance, autonomous driving and biomedical areas. Topics of interests include (i) improvement of basic laser sensor technology (sensor design and modelling, new sensor technology), (ii) sensor signal processing (calibration and filtering algorithm), and (iii) applications to various areas. Review papers on this topic are also welcome. For further information, please visit http://www.mdpi.com/journal/sensors/special_issues/LSSSP.

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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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