

Special Issue

Ultrasonic Positioning and Navigation

Message from the Guest Editors

The development of emerging technologies enabling Ultrasonic Positioning and Navigation paves the way to an exciting broad range of applications. This Special Issue aims to gather contributions on sensors for positioning exploiting ultrasound technology. Furthermore, the scope of this Special Issue covers also sensing and processing methods applied to the navigation problem. These include robust numerical methods, optimization strategies, tracking algorithms, machine learning, and performance characterization and validation methods. At present, the research effort needs to be directed to new algorithms, architectures, and sensor technologies to improve coverage, power consumption, size, and to increase spatial and temporal resolution of ultrasonic positioning and navigation systems, taking into account the physical and economic constraints of the various applications.

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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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