

Special Issue

Sensing for Biomedical Applications

Message from the Guest Editor

Rapid advancements in sensor and medical imaging technologies in recent years have facilitated the widespread use of both more accurate diagnosis and personalized medical devices and treatments. Many kinds of sensors and systems have been used in disease detection, medical simulation, patient-specific surgical tools, and medical device design pipelines, as well as home monitoring or activity recognition. This Special Issue solicits review and original articles on state-of-the-art sensors, multiple sensor systems, and methodologies for metrological characterization of biomedical applications. A wide range of topics are covered, including but not limited to:

- Anatomical acquisition systems;
- 3D depth camera-based sensor systems;
- Computer-aided design of personalized medical devices and surgical tools;
- Medical imaging systems;
- Methodologies for the metrological characterization of sensors for biomedical applications;
- Optical sensors systems;
- Real time monitoring of anatomical parts;
- Signal processing and image processing;
- Virtual and physical simulation and planning in surgery;
- Wearable and implantable sensors and devices.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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