

Special Issue

Advances in Neural Sensing Devices for Neurological Surgery, Neurorehabilitation, and Network Neuroscience

Message from the Guest Editor

Over the past decade, the fields of neurological surgery, neurorehabilitation, and network neuroscience have seen huge advances in the utilization of both implanted and non-implanted devices that can sense neurological activity. These include, but are not limited to, closed-loop deep brain stimulators for movement and psychiatric disorders, responsive neurostimulators for epilepsy, closed-loop neural interfaces designed to bypass spinal cord injury, and EEG-based brain-computer interfaces designed to rehabilitate stroke patients. This Special Issue seeks manuscripts that explore these advances in and future directions of neurological sensing devices. Primary research in both animal models and human participants will be considered, as will reviews and commentaries from established experts in the field.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2024)



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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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