Special Issue

On the Applications of EMG Sensors and Signals-Edition II

Message from the Guest Editor

Electromyography (EMG) is a technique for evaluating and recording the electrical activity produced by muscles. EMG signals can be harvested on the surface of the skin, under the skin, and inside the muscle providing different levels of information. Over the last few decades, there have been considerable advances in sensor technologies, including miniaturization; this has enabled EMG sensors to be applied in many areas, including, but not limited to, electrodiagnostic medicine, robotics, rehabilitation (prostheses, assistive devices), hydration and nutrition, motion analysis, and modeling of handwriting. This Special Issue attempts to capture the latest advances in EMG sensor development, EMG sensor applications, and EMG signal conditioning, from both theoretical and experimental approaches.

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Deadline for manuscript submissions

closed (30 December 2023)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/150701

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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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