

Special Issue

Electromyography (EMG) Signal Acquisition and Processing

Message from the Guest Editors

This Special Issue addresses both EMG signal acquisition (electronics and electrodes) and processing techniques (analytic and machine learning), independently or jointly, employed within novel sensor solutions. Potential topics include, but are not limited to:

- EMG amplifiers;
- EMG electrodes;
- EMG signal digitalization;
- Wearable EMG sensors;
- EMG sensor applications;
- Multi-channel and high-density EMG recording;
- EMG signal characterization;
- Decomposition of EMG signal into individual motor units;
- Classification of human movements using EMG signals;
- Evaluation of human movement using EMG signals;
- Evaluation of the neuro-muscular system using EMG signals;
- Regression of joint forces, joint kinematics, and joint kinetics using EMG signals.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)



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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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