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Electromyography (EMG) Signal Acquisition and Processing

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Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editors

Dear Colleagues,

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.

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Dr. Anders Björkman

Guest Editors



mdpi.com/si/109542



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Message from the Editor-in-Chief

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