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On the Applications of EMG Sensors and Signals-Edition II

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Ernest N. Kamavuako

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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