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On the Applications of EMG Sensors and Signals

Guest Editor:

Dr. Ernest N. Kamavuako

Centre for Robotics Research,
Department of Engineering,
Faculty of Natural and
Mathematical Sciences, King's
College London, London, UK

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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; enabling EMG sensors to have found applications 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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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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