

Special Issue

On the Applications of EMG Sensors and Signals

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.

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

Deadline for manuscript submissions

closed (31 May 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/55122

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)