

Special Issue

Recent Advances in Motion Analysis

Message from the Guest Editors

The advances in the technology and methodology for human movement capture and analysis have been remarkable over the last decade. This Special Issue is designed to comprehensively cover the open research issues related to the improvement of classic approaches and the development of novel technologies and techniques in the domain of motion analysis in all the various fields of application (clinics, sports, ergonomics, etc.). Computational intelligence (CI) methods, such as artificial neural networks, have recently emerged as promising tools for the development and application of intelligent systems in motion analysis. Thus, contributions in this field are also welcome. This Special Issue will consider original research, reviews, and applications in clinics, sports, and ergonomics. Areas of interest include, but are not limited to, the following:

- Recent advances in kinematic and dynamic analysis;
- Recent advances in EMG signal processing;
- Recent advances in static and dynamic posturography;
- Recent advances in gait analysis;
- Wearables and inertial measurement units in motion analysis;
- Artificial neural networks for motion analysis.



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

