

Special Issue

Wearable Devices: Design and Performance Evaluation

Message from the Guest Editors

In the contemporary landscape where wearable technology pervades our daily lives, efficient wearable devices are expected. The growing ubiquity of wearable technology presents exciting opportunities for healthcare and human performance optimization. Wearable devices can be meticulously designed to assist human motion, seamlessly integrating into users' routines for various applications. Wearables need adjustable motion range, force support, and feedback sensitivity. Seamless connectivity with smartphones, smartwatches, and other devices enables real-time feedback, progress tracking, and intuitive control over various functions. This comprehensive data collection allows for personalized assistance and performance optimization. Creating wearable devices for those objectives can lead to challenges in design testing and performance evaluation for efficient use.

This Special Issue seeks to explore the design, development, and evaluation of wearable technologies that leverage kinematic analysis, force transfer optimization, and innovative mechanisms to improve user experience and outcomes.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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