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Sensors and Machine Learning Methods Applied to Human-Computer Interaction

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Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editors

Recent advances in machine learning, deep learning techniques, and sensors are greatly impacting how humans and computers and robots interact. For instance, surface electromyography sensors combined with deep-learning-based algorithms are currently being used to operate robotic prosthetic limbs or 3D pose estimation methods to control an avatar in Virtual Reality. Thus, the combination of sensors and machine learning techniques is enabling a range of novel and interesting applications.

This Special Issue is intended to cover cutting-edge applications and research on new sensors, machine learning methods or their combination to perform human–computer and human–robot interaction. We strongly encourage the submission of papers focusing on the keywords below, but works on related topics will also be considered.

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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.

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