

Special Issue

Sensing, Estimating, and Analyzing Human Movements for Human–Robot Interaction

Message from the Guest Editors

Recent advances in human–robot interaction (HRI) are playing an increasingly pivotal role in a wide spectrum of robots, ranging from household to industrial, and from virtual interaction to closely physical collaboration. Due to the core function in HRI systems, numerous efforts and intensive attentions are paid to sensing, estimating, and analyzing the continuous and high-dimensional human movements so as to semantically decode and reflect motor intent and even latent beliefs of human motor control. The purpose of this Special Issue is therefore to describe the state of the art in human neuromuscular and cognitive behaviors reflected by human movements and to present the challenges associated with leveraging such knowledge in human-centered design and control of HRI systems. This Special Issue aims to present the latest results and emerging algorithmic techniques of sensing, estimating, and analyzing human movements in human–robot interaction. For detailed information, please visit [here](#).

Guest Editors

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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.

Editor-in-Chief

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