

Special Issue

Clinical Applications of Depth Cameras for Posture Analysis and Pose Tracking

Message from the Guest Editors

Exciting, ground-breaking work has been performed in recent years to create low-cost, high-quality depth cameras. These devices can be used to create three dimensional maps, which can be used for a wide range of purposes including robotic guidance and vehicle automation, human posture analysis and tracking movement of objects and body parts in space. These cameras can be combined with skeleton pose tracking to create powerful tools for human and animal motion analysis, which has received significant attention for the potential healthcare benefits. The aim of this special edition is to provide a highly visible, open access repository of work performed using depth cameras.

Papers addressing this topic, particularly those that provide new insights into their use for human and animal-related posture and motion tracking, are welcome. Articles may include but are not limited to:

- Robust validation studies of existing technology and/or software
- Advances in machine learning algorithms to improve the accuracy of pose and motion tracking
- Prediction models incorporating data from these devices and software to identify health outcomes

Guest Editors

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Deadline for manuscript submissions

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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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