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Kinect Sensor and Its Application

Guest Editor:

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Deadline for manuscript submissions:
closed (15 September 2024)

Message from the Guest Editor

The release of the Microsoft Kinect sensor in 2010 revolutionized active 3D sensing. Although originally intended for the gaming community, the Kinect early on found its place in the research and commercial development. Its relatively high accuracy, ease of use, AI-enabled body and facial tracking, multi-microphone sound capture, and affordability have sparked novel applications in rehabilitation, telemedicine, surveillance, 3D scanning, and many other areas.

This Special Issue seeks submissions of original research papers describing novel applications with Kinect sensors that focus on its sensing properties, 3D measurements, multi-modal data fusion, point cloud segmentation, object recognition, human–computer interaction (HCI), and user experience (UX) in various areas, from biomechanics to mixed reality. The submitted paper should include previously unpublished work that demonstrates novel research contributions relevant to *Sensors* journal topics.

Keywords:

- 3D Measurement
- Computer Vision
- Depth Sensor
- Data Fusion
- Human–Machine Interaction
- Microsoft Kinect
- Mixed Reality

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Message from the Editor-in-Chief

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