3D Object and Scene Detection, Reconstruction, Segmentation Based on Advanced Sensing Technology

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Deadline for manuscript submissions:
closed (1 August 2022)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to showcase state-of-the-art results and to provide a cross-fertilization ground for stimulating discussions on the next steps in the area of 3D computer vision based on advanced sensing technology. We welcome contributions of novel work in 3D computer vision, as well as its applications in different areas.

Papers are solicited on, but are not limited to, the following and related topics:

(1) New 3D sensors and technologies for computer vison;

(2) 3D modelling and scene reconstruction

(3) 3D object detection, recognition and classification

(4) 3D object estimation and tracking

(5) 3D scene understanding

(6) Stereo vision and RGB-D image acquisition

(7) 3D point cloud processing

(8) Applications of RGB-D vision, e.g., robotics, augmented reality, and autonomous driving

mdpi.com/si/83450

Special Issue

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Message from the Editor-in-Chief

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