



## 3D Reconstruction with RGB-D Sensors

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Deadline for manuscript  
submissions:

**closed (15 July 2021)**

### Message from the Guest Editor

RGB-D sensors provide dense real-time measurements of 3D surfaces as a 4-channel signal. RGB color channels characterize surface appearance and a fourth depth channel provides local surface geometric measurements. Since its introduction a decade ago, RGB-D sensing hardware has been and continues to be an integral component of leading mapping and 3D reconstruction technologies. This Special Issue seeks submissions that demonstrate the current state-of-the-art in RGB-D-based 3D reconstruction and mapping algorithms. Examples of topics of interest are submissions that detail theory and applications for 3D reconstruction. This includes robotic mapping applications (visual odometry, RGBD-SLAM), 3D scanning applications, reverse engineering applications, single and multi-camera RGB-D capture, and calibration methods and 3D segmentation approaches.





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## Message from the Editor-in-Chief

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