

Special Issue

Deep Learning for 3D Shape and Pose Estimation

Message from the Guest Editor

Making machines perceive the 3D world has become one of the cornerstones of successful deployment of many digital technologies from robotics to extended reality. In this Special Issue, we would like to stop and rethink why and how we should use deep learning for acquiring shapes and poses from 3D scenes, both from a theoretical and practical perspective. The issue will be about all problems and deep learning based techniques for 3D shape and pose estimation and understanding from sensor measurements such as colour images, depth images, or IMUs. We invite you to submit your excellent and inspiring works to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2021)



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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

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