



Machine Learning for LiDAR Point Cloud Analysis

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Message from the Guest Editors

Dear Colleagues,

LiDAR, as an active remote sensing technology, can automatically and quickly establish 3D digital world as a point cloud. Recently, developments in LiDAR sensors and various platforms have greatly promoted the application of LiDAR in various fields. LiDAR point cloud analysis is a fundamental prerequisite for rigorously applying LiDAR point clouds to these fields. Diverse algorithms have since then been made available in the forms of data-driven, model-driven, or hybrid approaches to analyze and explore LiDAR point clouds. The latest techniques in machine learning have even enabled us to extract semantic information from LiDAR point clouds in a more intelligent and effective way and further expand the application scope of LiDAR point clouds.

The Special Issue aims at contributions that focus on LiDAR point cloud analysis using machine learning (or deep learning) techniques. We are particularly interested in original papers that address innovative techniques and algorithms for generating and analyzing LiDAR point clouds, challenges in dealing with point cloud data in emerging remote sensing applications, and which unfold new applications for LiDAR point clouds.





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