

Special Issue

Point Cloud Data Analytics

Message from the Guest Editors

The advancement of technologies that provide Point Cloud Data has paved the way for the development of new ideas and opportunities. Currently, there are two widely-used point cloud data technologies: One is generated from digital imagery (photogrammetry) and the other is from Light Detection and Ranging (LiDAR). While photogrammetric and LiDAR technologies have much advanced and their use is increasing, there are still challenges in working with photogrammetrically- and LiDAR-derived data point clouds and developing image-based and LiDAR-based applications. One common challenge in working with point cloud data is preparation for applications since the datasets are typically very large. Another challenge is how to accurately and in real time recognize and detect 3D objects/features in the datasets. In this Special Issue, we are particularly interested in original papers that address common techniques for handling and analyzing point cloud data, challenges in dealing with point cloud data in applications, and developing new applications where point cloud data plays an important role.

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Message from the Editor-in-Chief

Data is an open access journal that publishes scientific data in a reliable, citable, and accountable manner. Data grants the opportunity to formally share valuable data, for academic credit. It covers a wide range of disciplines in which data is generated so that published data is discoverable and available for wider re-use. The journal has highly accomplished scientists from a variety of disciplines on the editorial board. The publication emphasizes clarity, honesty, quality, and novelty and has a rigorous peer-review process. We strongly encourage you to share your data vision in Data.

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