

Advanced Research Based on Multi-Dimensional Point Cloud Analysis

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Message from the Guest Editors

Dear Colleagues,

Because of the evolution of data acquisition techniques together with the availability of more powerful computers and software, the use of so-called point clouds for advanced research on the geometry and spectral characteristics of objects and the object space becomes more and more generally accepted. As point clouds are generated by different data acquisition methods, such as terrestrial laser scanning, mobile mapping, multibeam, photogrammetry, etc., the application domain is also diverse.

This Special Issue aims to collect and share innovative research that reflects the diversity of research based on point clouds, starting from the multi-dimensional point clouds for analyses, interpretation, improvement and more. The research domains can be, but are not limited to

- bathymetry,
- erosion,
- static and mobile laser scanning,
- mobile mapping,
- photogrammetry,
- creation of DTM and DSM,
- classification based on spectral or radiometric characteristics,
- deformation measurements, and
- other applications of point clouds.



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Message from the Editor-in-Chief

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