



LiDAR, Point Clouds and Applications for Civil Infrastructures

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Message from the Guest Editors

This Special Issue will actively contribute to the use of LiDAR technologies applied for civil infrastructures as well as its surrounding areas. Nowadays, point clouds acquired through laser scanning have been deemed to be one of the best sources for mapping civil infrastructure. This Special Issue is dedicated to publishing high-quality original research articles, reviews, and applications on the use of LiDAR, point clouds and its applications regarding civil infrastructures. Potential topics include, but are not limited to, the following:

- Point-clouds for road object detection and extraction
- Automated processing of point clouds for structural health monitoring
- Detection of pavement distresses using LiDAR point clouds
- Effects of LiDAR point density on extraction civil infrastructure elements
- New applications of LiDAR data in smart infrastructures
- New LiDAR acquisition platforms for civil infrastructures
- Point cloud processing for digital twins





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Message from the Editor-in-Chief

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