



Mapping and Monitoring of Civil Infrastructures Using LiDAR/Laser Scanning

Guest Editor:

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Message from the Guest Editor

Laser scanning/LiDAR technology provides a relatively efficient and precise mapping tool that is being employed both in academic studies and industrial projects. Over recent years, laser scanners have been widely used for mapping and monitoring purposes since they enable a thorough and precise 3D documentation of structures and objects. This Special Issue will collect work on the latest innovative research results in this field. In addition, reviews and contributions are welcomed. Original and innovative contributions may include, but are not limited to:

- Mapping of civil infrastructure elements;
- Monitoring of civil assets;
- New methodologies for extraction and/or modeling of objects from laser scanning data;
- Innovative applications of laser scanning in academic studies, engineering, industrial, and construction projects;
- Developing novel and computationally efficient algorithms for point cloud processing;
- Automated object modeling methods;
- Interdisciplinary and higher-level studies on various aspects of employing laser scanning technology such as feasibility, strength, challenges, and effectiveness.



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Guest Editor

Special Issue



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