Special Issue

State of the Art in Terrestrial Laser Scanning

Message from the Guest Editor

Static terrestrial laser scanners (TLSs) are increasingly being used for a variety of applications such as forensic crime scene preservation, historical monument digitization, surveying and geodesy, reverse engineering, and manufacturing and assembly. This Special Issue focuses on the state-of-the-art in TLS technology with emphasis on novel applications, error sources, calibration, measurement uncertainty, and performance evaluation. Topics of interest include but are not limited to

- TLS applications;
- Modeling and characterizing errors;
- Computational aspects in TLS usage;
- Registration, feature extraction, and data fusion;
- Self-calibration
- Performance evaluation and documentary standards
- Field check procedures;
- Uncertainty in TLS measurements

Guest Editor

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Deadline for manuscript submissions

closed (25 September 2022)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/75569

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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