Digital Photogrammetry and Machine Learning for Infrastructure Inspection

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Message from the Guest Editors

Infrastructures, such as utility tower, wind turbines, oil or natural gas storages/pipelines, bridges, overpasses, underpasses, culverts, railways, roadways, airstrip, electrical grids, tunnel, dams, levees, telecom asset, and solar farms, are generally made using concrete with rebar, asphalt, rocks, steel, etc. Owing to environmental changes, such as earthquakes, temperature, wind, and humidity, their conditions may be degraded and cause deteriorations, such as concrete cracks, rusty, concrete spalling, damage, or even collapse. Infrastructure inspection is crucial for maintaining structure usage and safety conditions. It is necessary to detect and evaluate these defects for maintenance purposes. However, the conventional in-situ inspection procedure is expensive, time-consuming, and dangerous. In this Special Issue, we would like to invite you to submit original research papers that cover all aspects of the advanced applications of digital photogrammetry and machine learning for infrastructure inspections.

Special Issue

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Message from the Editor-in-Chief

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