Special Issue

Digital Photogrammetry and Machine Learning for Infrastructure Inspection

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.

Guest Editors

Dr. Jiann-Yeou Rau

Department of Geomatics, National Cheng Kung University, Tainan, Taiwan

Dr. Jyun-Ping Jhan

Department of Geomatics, National Cheng Kung University, Tainan, Taiwan

Deadline for manuscript submissions

closed (31 December 2021)

Infrastructures

an Open Access Journal by MDPI

**Impact Factor 2.9
CiteScore 6.0**

mdpi.com/si/76419

Infrastructures
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
infrastructures@mdpi.com

mdpi.com/journal/
infrastructures

Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0

MDPI

About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article, review or short communication for consideration and publication in *Infrastructures* (ISSN 2412-3811). There is no restriction on the length of the papers. *Infrastructures* is published in open access format. The scientific community and general public have unlimited free access to the content as soon as it is published. *Infrastructures* is supported by the authors by the payment of article processing charges for accepted manuscripts. Please consider *Infrastructures* as an exceptional opportunity to publish your work.

Editor-in-Chief

Dr. Pedro Arias-Sánchez
Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.

Journal Rank:
JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Building and Construction)