

Special Issue

Designing and Managing the Next Generation of Transportation Infrastructure

Message from the Guest Editors

Transportation agencies around the world are presented with a set of challenges including climate change and natural disaster, ageing transportation infrastructure, and anticipated changes in forms of mobility. Managing and overcoming those challenges lies in the ability to:

- develop tools that facilitate efficient large-scale assessment and the proactive management of existing infrastructure
- use information about existing infrastructure to propose innovations to roadway design provisions that would ensure that future infrastructure is capable of handling the anticipated changes.

The use of remote sensing data and GIS tools including mobile LiDAR data, photogrammetry is critical to achieving the aforementioned objectives. These tools have made large volumes of data readily available to transportation agencies and municipalities, nonetheless, efficient processing and semantic segmentation of critical information from those datasets and the ability to relate the extracted information to other components of the transportation system is extremely challenging.

Guest Editors

Dr. Suliman Gargoum

Faculty of Applied Science, University of British Columbia, Vancouver, BC, Canada

Mr. Lloyd Karsten

University of Alberta, Edmonton, AB, Canada

Deadline for manuscript submissions

closed (28 February 2022)



Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



mdpi.com/si/57734

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

[mdpi.com/journal/
infrastructures](https://mdpi.com/journal/infrastructures)





Infrastructures

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.0



[mdpi.com/journal/
infrastructures](https://mdpi.com/journal/infrastructures)



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)