



Application of AI for Non-invasive Assessment Methods to Monitor Surface Transportation Infrastructure

Guest Editors:

Dr. Sattar Dorafshan

Department of Civil Engineering,
University of North Dakota,
Grand Forks, ND, USA

Prof. Dr. S. Sonny Kim

School of Environmental, Civil,
Agricultural, and Mechanical
Engineering, University of
Georgia, Athens, GA 30602, USA

Prof. Dr. Vistasp M. Karbhari

Department of Civil Engineering,
University of Texas at Arlington,
440 Nedderman Hall, 416 Yates
St, Box 19308, Arlington, TX 7019,
USA

Message from the Guest Editors

The development and application of artificial intelligence (AI) for interpretation and classification of non-invasive data plays a significant role in robust and unbiased condition assessment of surface transportation infrastructures (STI) such as roads and bridges. The big data obtained from the STI are complex by nature in spectral and spatial variation. Therefore, the analysis of these data are greatly enhanced through the deployment of recent advancements in machine learning (ML) and deep learning (DL). This special issue is dedicated to the use of AI models to aid infrastructure stakeholders evaluate their assets avoiding traditional methods of testing. Authors are encouraged to submit original technical papers, review papers, and data papers to this special issue.

Deadline for manuscript
submissions:

closed (31 December 2022)





an Open Access Journal by MDPI

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

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.

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: CiteScore - Q2 (*Building and Construction*)

Contact Us

Infrastructures Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/infrastructures
infrastructures@mdpi.com