Special Issue

The Resilience of Railway Networks: Enhancing Safety and Robustness

Message from the Guest Editors

With the expansion of global transportation networks and the demand for reliable, efficient, and safe transit systems, enhancing the resilience of railway networks has become a key focus. Railway systems face complex challenges from operational, environmental, and technological perspectives. Modern advancements in artificial intelligence, data analytics, IoT, and sensor integration offer significant potential to transform railway resilience. This Special Issue aims to consolidate cutting-edge research, innovative methodologies, and real-world case studies that strengthen the resilience of railway networks. We invite researchers, industry professionals, and practitioners to submit original research papers and review articles that contribute to the design, implementation, and optimization of robust railway networks capable of withstanding operational, environmental, and technological disruptions. The focus includes resilience across various aspects of railway networks, from infrastructure to rolling stock, power systems, and operational processes.

Guest Editors

Dr. Yang Song

School of Electrical Engineering, Southwest Jiaotong University, Chengdu 611756, China

Dr. Albert Lau

Department of Civil and Environmental Engineering, Norwegian University of Science and Technology, Trondheim, Norway

Deadline for manuscript submissions

10 August 2025

Infrastructures

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 6.0

mdpi.com/si/223692

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.com/journal/infrastructures

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)