

Special Issue

Models and Algorithms for Railway Line Planning Problems

Message from the Guest Editors

This Special Issue aims to bring together cutting-edge research and innovative solutions addressing the challenges associated with railway line planning problems. We invite submissions that delve into various aspects of this domain, including but not limited to optimization models, exact algorithms, heuristic and meta-heuristic approaches, machine learning and reinforcement learning, and case studies demonstrating practical applications. Contributions should explore how these models and algorithms can be tailored to specific railway systems, taking into account factors such as track capacity, train scheduling, passenger demand, and operational constraints.

The Special Issue seeks to foster a comprehensive understanding of the latest advancements in railway line planning, promoting interdisciplinary collaboration and knowledge sharing. We encourage researchers, practitioners, and policymakers to contribute their insights, sharing experiences and best practices that can inspire further innovation and improvement in this vital area of transportation planning.

Guest Editors

Dr. Yuan Gao
Prof. Dr. Shuguang Zhan
Dr. Chuntian Zhang

Deadline for manuscript submissions

30 June 2026



Vehicles

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/224786

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

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





Vehicles

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



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



About the Journal

Message from the Editor-in-Chief

In response to economic, political, and environmental pressures, the automotive vehicle community is expanding its research, development, and production of more energysaving, environmentally friendly, and safer ground vehicles through vehicle electrification, powertrain hybridization, high-efficiency drivetrain, autonomous or automated driving, vehicle connectivity, and infrastructure.

Vehicles is a new open access and peer-reviewed international journal that will facilitate rapid publication of scholarly articles on studies related to ground vehicles. Its mission is to publish cutting edge articles, conference proceedings, and to organize Special Issues which highlight outstanding research on specific topics regarding all landbased vehicles with regards to the design, modeling and simulation, manufacture, testing, and operation and modification of those vehicles and their engineering systems.

Editor-in-Chief

Prof. Dr. Mohammed Chadli

Department UFR Sciences and Technologies, Université Evry Paris-Saclay, 91020 Evry, France

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2 (Automotive Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.4 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the second half of 2025).