



energies



an Open Access Journal by MDPI

Transportation Systems Modeling, Simulation and Analysis with Reference to Energy Supplying

Guest Editors:

Prof. Dr. Artur Kierzkowski

Department of Technical Systems Operation and Maintenance, Wrocław University of Science and Technology, 27 Wyb. Wyspińskiego Str., 50-370 Wrocław, Poland

Dr. Tomasz Kisiel

Department of Technical Systems Operation and Maintenance, Wrocław University of Science and Technology, 27 Wyb. Wyspińskiego Str., 50-370 Wrocław, Poland

Dr. Franciszek Restel

Department of Technical Systems Operation and Maintenance, Wrocław University of Science and Technology, 27 Wyb. Wyspińskiego Str., 50-370 Wrocław, Poland

Deadline for manuscript submissions:

closed (31 December 2022)



mdpi.com/si/93139

Message from the Guest Editors

Complex transportation systems are dependent on their power supply. The transportation system needs an appropriate power supply to maintain correct operation. On the other hand, the power supply system needs the correct system operation to exclude overloads and breakdowns. This interconnection can be investigated using the resilience and robustness approach. The aim of the Special Issue is to find new approaches for the resilience and robustness of transportation systems with respect to their power supply. All methods and approaches are welcome—reliability and risk assessment, as well as analytical and simulation modeling.

Potential topics include but are not limited to:

- New approaches regarding the resilience and robustness of transportation systems;
- Transportation system modeling, simulation, and analysis;
- Modeling and optimization of transportation systems;
- Modeling, simulation, and design of resilient transportation networks;
- Transportation systems monitoring, protection, and control.

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)