# Special Issue

# Modeling of Quality, Reliability, and Exploitation for Power Supply Systems, ICT Systems, and Transportation Systems

## Message from the Guest Editors

Observations of using power systems, ICT systems, and transport systems allow us to conclude that proper functioning depends not only on the reliability of the components that make up the system, but also on the effective management of the operation process and system quality management. Modeling in this area makes it possible to improve the reliability and operational and quality indicators, thus increasing the security level of the functions performed by power systems, ICT systems, and transport systems. Properly designed transport systems improve the driving style of vehicles, improve safety, eco-driving, and overall energy efficiency, and detect breakdowns and plan service works. Cost reduction is the biggest problem for carriers, and this is directly related to energy efficiency. The purpose of this Special Issue is to discuss issues related to both **quality modeling** and **reliability analysis** and modeling of the **operation process of power systems**, **ICT systems**, and **transport systems**. Articles related to risk analysis, cybersecurity issues, and improving the process of designing power systems, ICT systems, and transport systems are also welcome.

## Guest Editors

Prof. Dr. Marek Stawowy

Prof. Dr. Adam Rosiński

Dr. Zbigniew Kasprzyk

## Deadline for manuscript submissions

closed (14 June 2023)

**Energies**

**an Open Access Journal by MDPI**

**Impact Factor 3.2**
**CiteScore 7.3**

mdpi.com/si/102692

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

mdpi.com/journal/energies

# Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

# About the Journal

## 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.

## Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

## 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)