

## Special Issue

# Modeling and Simulation of Electric Vehicle, Hybrid Electric Vehicle, and Intelligent Vehicle Dynamics

### Message from the Guest Editors

This Special Issue calls for papers that explore the dynamic modeling, simulation, and analysis of electric vehicles, hybrid electric vehicles, and intelligent vehicles in complex driving scenarios. We invite authors from all fields of science that fall under the broader umbrella of electric vehicles, hybrid electric vehicles, and intelligent vehicles, including but not limited to the following:

- All aspects of induction electric vehicle, hybrid electric vehicle, and intelligent vehicle dynamics.
- Modeling, simulation, and analysis of electric vehicles, hybrid electric vehicles, and intelligent vehicles.
- Electric motor/generator technologies for electric vehicles, hybrid electric vehicles, and intelligent vehicles.
- Energy management, speed planning, eco-driving control, and dynamic control (in the field of intelligent electric vehicles).
- Novel applications of electric vehicles, hybrid electric vehicles, and intelligent vehicles.
- Vehicles for safety-critical applications.
- Online and offline condition monitoring techniques of vehicles.
- Optimal design methodologies of vehicles.

---

### Guest Editors

Dr. Pu Gao

Dr. Shida Nie

Dr. Yue Wang

---

### Deadline for manuscript submissions

closed (16 November 2024)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/191981](https://mdpi.com/si/191981)

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

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



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