

## Special Issue

# Advanced Calibration Methodologies for a New Generation of Engines and Powertrains

### Message from the Guest Editors

To achieve the ambitious goals of meeting increasingly stringent emissions standards within the Real Driving Emissions test protocols, simultaneously reaching the challenging post-2020 CO<sub>2</sub> emissions targets, the automotive industry is going to explore an unprecedented technological mix, ranging from advanced fuel and air management, to combustion technologies, to aftertreatment systems towards a soft/deep electrification of innovative powertrains. In this scenario, the calibration activity becomes an essential part of the product development process with the aim of finding the optimal merge among different technologies.

This Special Issue aims, therefore, at encouraging both academic and industrial researchers to present their latest findings concerning advanced calibration methodology for engines and powertrains, especially integrating experimental activity at the test bench with the support of reliable model in a virtual environment. The authors should provide to the readers a comprehensive, unbiased, and scientifically sound overview of the most recent research and methodological approaches.

---

### Guest Editors

Prof. Dr. Federico Millo

Department of Energy, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

Dr. Andrea Piano

Department of Energy, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

---

### Deadline for manuscript submissions

closed (31 March 2022)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/55333](https://mdpi.com/si/55333)

*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)