

## Special Issue

# Damping in Structures and Mechanisms

### Message from the Guest Editors

Modern mechanisms are increasingly made of lightweight (often composite) materials due to the well-known social need for energy savings. Despite their superior structural characteristics, lightweight structures may compromise comfort and exhibit fatigue to loading faster. Structural integrity can therefore be compromised. In order to maintain the comfort and safety levels within acceptable limits, additional damping at minimum extra weight needs to be implemented. This Special Issue will bring together academic and industrial researchers leading the field of mass-efficient, high-damping materials, mechanisms, and structures. The Issue will comprise high-quality manuscripts presenting a comprehensive range of cutting-edge technologies for damping enhancement strategies.

---

### Guest Editors

Prof. Dr. Dimitrios Chronopoulos

Department of Mechanical Engineering & Mecha(tro)nic System Dynamics (LMSD), KU Leuven, 9000 Leuven, Belgium

Prof. Dr. Tzu-Kang Lin

Department of Civil Engineering, National Chiao Tung University, Hsinchu, Taiwan

---

### Deadline for manuscript submissions

closed (28 February 2022)



## Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



[mdpi.com/si/69622](https://mdpi.com/si/69622)

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

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





# Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



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



## About the Journal

### Message from the Editor-in-Chief

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

---

### Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso  
CISE–Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).