


## Special Issue

# Recent Advances in the Design of Structures with Passive Energy Dissipation Systems

### Message from the Guest Editors

This Special Issue aims to collect contributions to the development and application of seismic protection strategies for structures, covering both traditional and innovative devices. In particular, the desired topics include, but are not limited to, experimental or theoretical investigations of high-efficient dampers and isolation bearings; optimization of conventional or innovative energy dissipation devices; performance-based or probability-based design of damped structures; application of nonlinear dynamics, random vibration theory, and modern control theory for the design of structures with passive energy dissipation systems; critical discussion of implemented isolation/damping technologies in significant or emblematic engineering projects. **Keywords** 

- Seismic isolation
- Energy dissipation devices
- Tuned mass damper
- Negative stiffness device
- Inerter system
- Damped structures

---

### Guest Editors

Prof. Dr. Giuseppe Ricciardi

Dr. Dario De Domenico

Dr. Ruifu Zhang

---

### Deadline for manuscript submissions

closed (31 January 2020)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/27410](https://mdpi.com/si/27410)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls-ci@mdpi.com](mailto:appls-ci@mdpi.com)

[mdpi.com/journal/  
appls-ci](https://mdpi.com/journal/appls-ci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )