

Special Issue

Shape Memory Alloys and Piezoelectric Materials and Their Applications

Message from the Guest Editor

Smart structures have been widely applied in aerospace, civil engineering, ship, automobile, water conservancy and many other industries. The realization of intelligent functions depends on the development of sensors, actuators, controllers, etc. Shape memory alloys and piezoelectric materials are one of the most used materials in the regard, which play important roles in the applications of smart structures because of their many advantages. Much work has been done in both theoretical and experimental studies on shape memory alloys and piezoelectric actuators. To encourage further understanding and development of these two materials, this special issue is organized to collect original and innovative papers on topics including but not limit to the preparation, analysis, modeling of various types of shape memory alloys and piezoelectric actuators, and their applications in smart structures. Theoretical, numerical and experimental contributions are equally welcome.

Guest Editor

Prof. Dr. Hongli Ji

State Key Laboratory of Mechanics and Control of Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing 210016, China

Deadline for manuscript submissions

closed (31 August 2024)



Actuators

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 3.9



mdpi.com/si/98849

Actuators

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
actuators@mdpi.com

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





Actuators

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 3.9



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Kenji Uchino
Emeritus Academy Institute, The Pennsylvania State University,
University Park, PA 16802, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

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