actuators

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 3.9

Magnetostrictive Transducers, Sensors, and Actuators

Guest Editors:

Dr. Mojtaba Ghodsi
School of Energy and Electronic Engineering, University of Portsmouth, Portsmouth PO1 3DJ, UK

Dr. Morteza Mohammadzaheri
School of Engineering and the Built Environment, Birmingham City University, Birmingham, UK

Deadline for manuscript submissions:
30 December 2024

Message from the Guest Editors

Dear Colleagues,

Sensors and actuators are key elements of any control system. In the last two decades, smart materials have played a significant role when it comes to enhancing the performance of mechatronic systems in industries. The high magneto-mechanical coupling coefficient, high Young's modulus, and low cost combined with the ductility of some alloys and operating in the harsh environment make the magnetostrictive material a suitable candidate for manufacturing sensors and actuators.

This Special Issue aims to highlight advances in the development, testing, modeling, and controlling of magnetostrictive transducers, on the component level as well as within control systems.

For more information, please click: mdpi.com/si/84613 or mdpi.com/si/84419