Special Issue

New Control Schemes for Actuators

Message from the Guest Editors

This Special Issue of *Actuators* aims at addressing the challenges in control design and implementation for actuators in order to increase the reliability and performance of these systems. Original submissions focusing on new control techniques and practical implementation of these new control schemes which are useful for increasing our knowledge of better and new applications for actuators systems, on the basis of one or more of the following topics, are welcome in this Special Issue. The issue will include but is not be limited to:

- Adaptive control schemes;
- Robust control schemes;
- Sliding-mode-based control schemes;
- Fuzzy-logic-based control schemes;
- Neural-network-based control schemes;
- Observer-based control schemes;
- Practical implementation of advanced control schemes;
- Wireless sensors in control schemes.

Guest Editors

Prof. Dr. Oscar Barambones

Prof. Dr. Jose Antonio Cortajarena

Prof. Dr. Patxi Alkorta

Deadline for manuscript submissions

closed (15 October 2023)

Actuators

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.3

mdpi.com/si/58760

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

mdpi.com/journal/actuators

Actuators

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.3

mdpi.com/journal/actuators

About the Journal

Message from the Editorial Board

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of $1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

Editors-in-Chief

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

Prof. Dr. Norman M. Wereley
Department of Aerospace Engineering, University of Maryland, 3179J Martin Hall, College Park, MD 20742, 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 - Q1 (Control and Optimization)

MDPI