

Special Issue

Mechanical Robotic Systems: Modeling, Simulation, Design, and Control

Message from the Guest Editor

This Special Issue is intended to bring together a collection of scholarly research articles that deal with mechanical systems with emphasis on innovative actuation, sensing, design, and control approaches in the field of robotics. We invite papers that deal with topics such as locomotion, object manipulation, miniaturization, navigation in unstructured environments, self-configuration, and deep learning that arise in developing the makeup of modern robotic mechanisms. Articles with sound dynamics and control theoretical foundation as well as experimental components are especially welcome. Submissions are encouraged but are not limited to the following topical areas:

- robotics
- locomotion
- object manipulation
- miniaturization
- actuation
- sensing

Guest Editor

Prof. Dr. Yildirim Hurmuzlu

Department of Mechanical Engineering, Southern Methodist University,
Dallas, TX 75205, USA

Deadline for manuscript submissions

closed (31 July 2022)



Actuators

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 3.9



mdpi.com/si/109847

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
Academy Professor, 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)