

## Special Issue

# Actuators Technologies for the Next Generation of Robots and Industry

### Message from the Guest Editors

Actuators are crucial components in any mechatronic system, have experienced major growth throughout the years, especially given the increasing demands on human–robot interaction systems for different applications, such as industry, rehabilitation robotics, social robots, and smart structures. In this context, novel actuator technologies such as soft actuators (including polymeric, fluidics, and series elastic actuators) and others compliant actuators have been proposed with varying degrees of success. This Special Issue invites contributions dealing with the research and development of compliant actuators—including design, control, applications, and modeling—which constitute the backbone of the next generation of robots and industry. Prof. Dr. Arnaldo Leal Junior Prof. Dr. Anselmo Frizzera Neto

---

### Guest Editors

Prof. Dr. Arnaldo Leal-Junior

Graduate Program in Electrical Engineering, Federal University of Espirito Santo, Vitoria 29075-910, Brazil

Prof. Dr. Anselmo Frizzera-Neto

Graduate Program in Electrical Engineering, Federal University of Espirito Santo, Vitoria 29075-910, Brazil

---

### Deadline for manuscript submissions

closed (31 January 2021)



## Actuators

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 3.9



[mdpi.com/si/40514](https://mdpi.com/si/40514)

*Actuators*

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