*actuators*

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.3

# Low-Profile Compliant Actuators for Wearable Devices

Guest Editors:

**Dr. Ana Luisa Trejos**
Department of Electrical and Computer Engineering, Western University, London, ON N6A 5B9, Canada

**Dr. Aaron David Price**
Department of Mechanical & Materials Engineering, Western University, London, ON N6A 5B9, Canada

Deadline for manuscript submissions:
**closed (28 February 2019)**

## Message from the Guest Editors

Dear Colleagues,

Mechatronic wearable devices for health, sports training, or gaming applications are being more widely developed. However, current actuator technologies limit the minimization of the overall size and weight of these devices, preventing innovation into truly unobtrusive wearable form factors that are also effective and comfortable. This Special Issue is aimed at highlighting recent contributions to the development of low-profile compliant actuators which are required to advance this field further. Contributions are particularly encouraged in the following areas: investigation of new materials, development of new actuator configurations, and methods for more accurately controlling existing low profile actuators, among others.

Dr. Ana Luisa Trejos
Dr. Aaron David Price
*Guest Editors*

Homepage:
http://www.mdpi.com/journal/actuators/special_issues/Low-Profile_Compliant_Actuators

# actuators

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.3


## Editors-in-Chief


**Prof. Dr. Kenji Uchino**
Electrical Engineering, Emeritus Academy Institute, 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


## 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.

## 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)

## Contact Us


*Actuators* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/actuators
actuators@mdpi.com
𝕏@Actuators_MDPI