

## Special Issue

# New Trends in Smart Wearable and Interactive Mechatronic Systems

### Message from the Guest Editors

In recent years, we have witnessed several innovations in the field of smart wearable and interactive mechatronic systems. Eye movement sensors, high-definition haptic devices, and personalized wearable and biometric identification devices are some examples of such innovations. In this context, embedded systems, mechatronics, microsystems, and MEMS sensors and actuators are playing a role of choice. We invite high-quality, novel, innovative, and unpublished contributions on any topics focused on applied sciences using concepts in the fields of microelectronics, mechatronic, haptic, interaction, collaboration, and telemetry, including, but not limited to:

- Smart wearable devices;
- Human-assisted devices;
- MEMS sensors and actuators;
- Energy harvesters;
- Subcutaneous implantable systems;
- Interactive microrobots and nanorobots;
- Wireless power;
- Internet of Things in wearable devices;
- Interaction and collaboration techniques with psychophysics studies;
- Applications: health, elderly, industrial, construction, consumer electronics, etc.

---

### Guest Editors

Prof. Dr. Martin J.-D. Otis

Automation and Interactive Robotic Lab (AIRL), Département des sciences appliquées, Université du Québec à Chicoutimi, Chicoutimi, QC G7H 2B1, Canada

Prof. Dr. Alexandre Robichaud

Automation and Interactive Robotic Lab (AIRL), Département des sciences appliquées, Université du Québec à Chicoutimi, Chicoutimi, QC G7H 2B1, Canada

---

### Deadline for manuscript submissions

closed (20 June 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/71623](https://mdpi.com/si/71623)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )