



## New Insights in Mechatronics and Systems Design for Industry 4.0

Guest Editors:

**Prof. Dr. Shaun West**

Lucerne School of Engineering  
and architecture, Lucerne  
University of Applied Sciences  
and Arts, Lucerne, Switzerland

**Prof. Dr. Tobias Larsson**

Product Development Research  
Lab, Department of Mechanical  
Engineering, Blekinge Institute of  
Technology, 37179 Karlskrona,  
Sweden

**Dr. Christopher Ganz**

C. Ganz Innovation Services,  
Zurich, Switzerland

### Message from the Guest Editors

Mechatronics applications are typically used in multidomain systems to integrate mechanical, electronic, and controls subsystems into a single complex system. As such, they often form the underpinning asset that enables product-service systems (PSS) and systems-of-systems. Within this context, digitalization creates opportunities and challenges for developing new value propositions based on mechatronics applications. Industry 4.0 allows us to develop systems-of-systems that promise increased value creation. However, they also provide challenges due to the integration of new disciplines into the existing worlds of mechatronics and systems engineering.

Deadline for manuscript  
submissions:

**closed (20 February 2023)**





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)