



## Applications of Intelligent Control Methods in Mechatronic Systems

Guest Editor:

**Prof. Dr. Syuan-Yi Chen**

Department of Electrical  
Engineering, National Taiwan  
Normal University, Taipei, Taiwan

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editor

Dear Colleagues,

Many modern systems and products are designed and constructed by using mechatronic systems. To ensure stability and efficiency for mechatronic systems in diverse applications under adverse conditions, strong research activity is ongoing to design efficient controllers. Among the various control strategies, intelligent control (IC) methods with artificial intelligence have been widely studied and developed for mechatronic systems in terms of direct control, parameter optimization, system identification, uncertainty estimation, and compensation. With the help of IC methods, it is possible to achieve better accuracy, robustness, reliability, and implementation simplicity.

This Special Issue will consider high-quality research and review papers that deal with theoretical and application aspects of IC methods in mechatronic systems.

This special issue aims to gather topics including, but not limited to:

- Mechanical and mechatronic systems;
- Robotics and automation systems;
- Industry and manufacturing applications;
- Others

Welcome to contribute.

website:[https://www.mdpi.com/journal/applsci/special\\_issues/Intelligent\\_Control\\_Mechatronic\\_Systems](https://www.mdpi.com/journal/applsci/special_issues/Intelligent_Control_Mechatronic_Systems)





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](#)