

## Special Issue

# Application of Artificial Intelligence for Smart Manufacturing

### Message from the Guest Editor

Artificial intelligence technology has been introduced and widely used in various fields of society, bringing great convenience to people's production and life, and greatly promoting social progress and development. In the field of intelligent manufacturing, thanks to the vigorous development of image acquisition hardware, deep learning algorithms, edge computing, and other technologies, industrial detection based on machine vision, industrial robots, and intelligent sorting scenes have been widely used. With the aid of artificial intelligence, the workload of personnel can be reduced, the error rate can be reduced, and the product quality can be improved. This Special Issue aims to enable peers to exchange cutting-edge research results of AI in intelligent manufacturing. The scope of achievements focuses on but is not limited to, the innovation and development of AI technology and the application and innovation of AI technology in manufacturing.

---

### Guest Editor

Prof. Dr. Guixiong Liu

School of Mechanical and Automotive Engineering, South China University of Technology, Guangzhou 510641, China

---

### Deadline for manuscript submissions

closed (30 April 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/145802](https://mdpi.com/si/145802)

*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/](https://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 )