



## Image/Signal Processing and Machine Vision in Security and Industrial Applications

Guest Editors:

**Dr. Xinyue Zhao**

School of Mechanical  
Engineering, Zhejiang University,  
Hangzhou, China

**Prof. Dr. Zheng Chen**

The State Key Laboratory of Fluid  
Power and Mechatronic Systems,  
Zhejiang University, Hangzhou  
310027, China

**Prof. Dr. Ming Fang**

School of Artificial Intelligence,  
Changchun University of Science  
and Technology, Changchun  
130022, China

Deadline for manuscript  
submissions:

**closed (30 April 2022)**

### Message from the Guest Editors

Dear Colleagues,

Machine vision utilizes industrial image processing through the use of cameras in order to visually inspect products, or guide robots in real time automatically. Machine vision and image processing technologies are widely employed in security screening and industrial inspection.

This Special Issue intends to provide a timely chance to scientists, researchers, as well as engineers to discuss and summarize the latest signal/image processing and machine vision methods in security and industrial applications. We invite papers that include but are not exclusive to the following topics: artificial intelligence, pattern recognition/analysis technologies in human analysis, behavior understanding, and biometrics for security application, intelligent transportation system based on computer vision methods, robotics and intelligent systems, pose recognition of industrial products...Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers.

If you are interested, you can submit directly via the link below:

[https://susy.mdpi.com/user/manuscripts/upload?  
form\[journal\\_id\]=90&form\[special\\_issue\\_id\]=91750](https://susy.mdpi.com/user/manuscripts/upload?form[journal_id]=90&form[special_issue_id]=91750)





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

## Contact Us

Applied Sciences Editorial Office  
MDPI, St. Alban-Anlage 66  
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](https://twitter.com/Applsci)