Computer Vision Applied for Industry 4.0

Guest Editors:

Dr. Bruno Fernandes
Computer Engineering,
Universidade de Pernambuco,
Recife, Brazil

Dr. Rogério Pontes
Polytechnic School, Universidade
de Pernambuco, Recife, Brazil

Deadline for manuscript
submissions:
closed (10 July 2023)

Message from the Guest Editors

With the high volume of data available in industrial processes, the application of computer vision can be an excellent alternative capable of detecting and signaling process anomalies, contributing to quick and assertive decision-making, reducing the probability of human errors, and increasing process efficiency.

Therefore, this Special Issue is intended to present new ideas and experimental results in the field of computer vision applied to industry 4.0, from the theory, design, and development to practical applications.

Keywords:

- computer vision
- machine vision
- Industry 4.0
- smart manufacturing
- smart factory
- process monitoring
- measurement
- quality control
- artificial intelligence
- big data

Special Issue

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