Intelligent Detection and Identification System Based on Computer Vision Technology

Guest Editors:

Dr. Liqin Cao
Research Center of Graphic Communication and Printing and Packaging, Wuhan University, Wuhan 430079, China

Dr. Xuan Zhang
Department of Technology, NORCE Norwegian Research Centre, 4879 Grimstad, Norway

Prof. Dr. Lifei Wei
Faculty of Resources and Environmental Science, Hubei University, Wuhan 430062, China

Deadline for manuscript submissions:
20 November 2024

Message from the Guest Editors

There are increasing uses for computer vision in intelligent detection and identification system, and the applications of those techniques include medical lesion detection, food sorting, vehicle detection and tracking, remote sensing image target detection and analysis, etc.

This Special Issue is dedicated to disseminating new theories/approaches, especially those using the existing models, concepts, and architectural designs, in intelligent detection and identification based on computer vision technology.

Subjects up for discussion in this Special Issue are not limited to modern methods, technologies, and further handling of target detection and identification, but this Issue will also focus on the verification of their properties in different practical fields.

Keywords:

- target detection and identification
- computer vision
- artificial intelligence, machine learning and deep learning
- learning automata
- detection dataset

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

Contact Us