

Special Issue

Artificial Intelligence and Control Technology for Unmanned Transport Systems

Message from the Guest Editors

The aim of this Special Issue is to bring together academics and industrial practitioners to exchange and discuss the latest innovations and applications of artificial intelligence (AI) in the domain of unmanned transport systems. In the past few decades, automated and intelligent transport systems have emerged, opening new research fields that are still evolving because of new challenges and technological advances in the area. The scope of this Special Issue is the application of artificial intelligence techniques and algorithms to design and solve the existing problems of unmanned transport systems. These techniques include the following:

- Disturbance estimation and robust control for smart systems
- Fault diagnosis and failure control
- Intelligent object detection and data fusion
- Intelligent collision prediction and path planning
- Advances in control theories and applications for the smart platform
- Improving understanding of traffic, rule, and risk to control the platform in the environment
- Driver status recognition (emotion, health status, drowsiness, etc.)
- Deep learning and reinforcement learning technology for smart systems

Guest Editors

Prof. Dr. Myo-Taeg Lim

Prof. Dr. Tae-Koo Kang

Prof. Dr. Dong-Sung Pae

Deadline for manuscript submissions

closed (30 March 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/70997

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

mdpi.com/journal/

[appls-ci](https://appls-ci.mdpi.com)





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, CAPlus / SciFinder, and other databases.

Journal Rank:

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