Special Issue

Recent Advances and Applications of Optimal Control and Reinforcement Learning in Guidance and Navigation Systems

Message from the Guest Editors

The aim of this Special Issue is to invite papers for recent advances in theory and applications of optimal control and reinforcement learning in guidance, navigation and control systems, as well as to exploit the novel results of the combination of optimal control and reinforcement learning technology for unmanned vehicles, robots, or any dynamics systems. Potential topics of the Special Issue include, but are not limited to, the following: - emerging technology in optimal control and reinforcement learning - novel applications of optimal control and reinforcement learning in guidance, navigation and control systems - combination of optimal control and reinforcement learning technology - reinforcement learning based path planning and tracking. - reinforcement learning based modeling and parameter optimization - supplementing method of reinforcement learning using optimal control theory - structure and training method of deep reinforcement learning networks

Guest Editors

Prof. Dr. Sungsu Park

Department of Aerospace Engineering, Sejong University, Seoul 05006, Korea

Prof. Keeyoung Choi

Department of Aerospace Engineering, Inha University, Incheon 22212, Korea

Deadline for manuscript submissions

closed (20 August 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/44263

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)