Special Issue

Reinforcement Learning for Real-World Applications

Message from the Guest Editors

In recent years, reinforcement learning (RL) has garnered significant attention due to its outstanding performance in solving complex real-world problems. As a machine learning method that trains agents to make optimal decisions through interaction with dynamic environments, RL has demonstrated tremendous potential across multiple disciplines and industries, including robotics control, scheduling optimization, smart manufacturing, intelligent transportation, and energy management. This Special Issue aims to systematically investigate innovative practices of RL algorithms and their integration with other cutting-edge technologies, thereby providing new approaches to address diverse real-world challenges. Contributions are encouraged to present both theoretical insights and practical implementations, offering valuable perspectives for future research and technological innovation.

Guest Editors

Prof. Dr. Dazi Li

College of Information Science and Technology Beijing University of Chemical Technology, Beijing, China

Dr. Pablo Chamoso

BISITE Research Group, Universidad de Salamanca, Salamanca, Spain

Deadline for manuscript submissions

20 May 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/237250

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

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