

Special Issue

Scheduling, Planning, Decision and Games in Intelligent Dynamic Robotics

Message from the Guest Editors

In the past several decades, robotic systems in multiple domains, including ground, airborne, spaceborne, submarine, and other special industrial robots, are taking on increasing requirements related to the intelligence of performing various tasks, so that the relevant control theory and techniques of the dynamic robotics show a clear trend to combine with operations research and intelligent computation, generating decision-based planning and scheduling solutions for robotic tasks in complex environments. This Special Issue is devoted to recent advances in intelligent decision and control related to the analysis and use of symmetries in multidisciplinary areas of dynamic robotics. The Special Issue aims at providing a way for people studying in mathematics, computer science, information science, system engineering, or other fields to disseminate their findings about symmetries. Papers on the topics of interest, including but not limited to the listed keywords, are solicited.

Guest Editors

Dr. Yuankai Li

Dr. Zhiguo Shi

Dr. Yulian Jiang

Dr. Xiaoliang Wang

Deadline for manuscript submissions

30 November 2025



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/218043

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

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)