symmetry

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 5.3

Optimal Control and *Symmetry*

Guest Editor:

Dr. Calin Ciufudean
Department of Computers Automatics and Electronics, University Stefan cel Mare of Suceava, 720229 Suceava, Romania

Deadline for manuscript submissions:
closed (15 February 2024)

Message from the Guest Editor

Dear Colleagues,

The features of symmetry make it possible to analyze and control biosystems and systems driven by artificial intelligence, as well as develop plausible physical models of spiking neural networks with self-organization.

This Special Issue on “Optimal Control and Symmetry” deals with advanced applications illustrating these concepts and delivers an important contribution for the achievement of the next generation of intelligent hybrid biostructures. Different modeling and simulation tools can deliver an alternative to funding the theoretical approach of algorithms from computational group theory used to efficiently search for groups such as hybrid biobots.

Topics of interest include but are not limited to the following:

- Theory of symmetry for constrained linear systems;
- Modeling predictive control problems;
- Modeling predictive control algorithms with reduced complexity;
- Generators for the symmetry group into a graph automorphism;
- Modeling predictive control designs for hybrid biostructures;
- Modeling predictive controllers for balancing hardware designs of hybrid structures.

symmetry

IMPACT FACTOR 2.2

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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.

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, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
𝕏@Symmetry_MDPI