



Control and Optimization of Multi-Agent Systems and Complex Networks for Systems Engineering

Guest Editors:

Dr. Manuel Herrera

Dr. Marco Pérez-Hernández

Dr. Ajith Kumar Parlikad

Prof. Dr. Joaquín Izquierdo

Message from the Guest Editors

This Special Issue on "Control and Optimization of Multi-Agent Systems and Complex Networks for Systems Engineering" aims to curate novel advances in theoretical developments and applications of biological and nature-inspired multi-agent and network models for systems engineering. Topics include but are not limited to the following:

Deadline for manuscript
submissions:
closed (20 April 2021)

- Theoretical and practical advances in biological and nature-inspired mathematical models;
- Diffusion processes and dynamics in complex networks;
- Advanced mesoscale models and multi-layer approaches for complex networks analysis;
- Graph-theoretical methods and complex networks applications for risk and resilience analysis in systems engineering;
- Swarm intelligence applications in networked systems;
- Intelligent infrastructure and asset management;
- Approaches and bounded strategies for learning in multi-agent systems at different scales;
- Exploitation, control and optimisation of edge resources via multi-agent systems,
- Multi-agent learning solutions for near-real time decision-making.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)