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Modeling and Simulation of Complex Networks for Automation in Systems Engineering

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Message from the Guest Editors

This Special Issue on “Modeling and Simulation of Complex Networks for Automation in Systems Engineering” aims to present novel advances on methodologies to improve the development and use of a complexity science framework for automated digital management of industry and infrastructure systems. The scope of this Special Issue includes (but is not limited to):

Deadline for manuscript
submissions:

25 September 2024

- Complexity science for systems engineering.
- Dynamics on networks and dynamics of networks.
- Decision-making support in complex systems.
- Diffusion processes and dynamics in complex networks.
- Swarm intelligence applications in networked systems.
- Intelligent infrastructure and asset management.
- Approaches and bounded strategies for learning in multi-agent systems at different scales.
- Multi-agent learning solutions for near-real time decision making.
- Automation in complex systems.
- Graph signal processing in engineering systems operations and management.
- Graph machine learning and graph neural networks models in systems operations and management.
- Sustainable supply chain management.



mdpi.com/si/166256

Special Issue



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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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