



Advances in Complexity Science through Modeling and Simulation

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Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

The purpose of this Special Issue is to present a collection of the latest research in the broad field of Complexity Science with a specific focus on software frameworks and modeling tools for the analysis of complex systems. Articles devoted to advances in agent-based simulation, network-based models, AI integration, and enabling large-scale analysis using parallel and distributed computation are within the scope of this Special Issue. Research results from academia or industry, either theoretical or practical, as well as scalable applications and reviewing articles, are welcome.

Topics:

- Agent-based simulation, Network science, and Artificial Intelligence applied to complexity science.
- Formal models for large-scale complex systems.
- Large-scale systems tools and frameworks
 - Parallel computing;
 - Distributed computing;
 - Cloud computing, Multi-cloud, Edge Computing.
- Visualization methodologies and software tools.
- Application of complexity science.
- Reviewing articles about complexity science.





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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.

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