



High Performance Computing, Modeling and Simulation

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Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editors

The study of systems with mathematical methods requires full knowledge of the existing or proposed system and the ability to represent the system with such models. However, when the system becomes complex, other methods of study and analysis have been developed. Simulation is one such method. At present, due to the explosion of computer systems, this method has grown in popularity and is widely used in all research areas. The vast majority of research papers in Applied Sciences include experiments conducted via sets of simulations.

The main topics of interest include but are not limited to the following:

- Modeling, simulation and evaluation techniques of high-performance systems
- Petri net and colored Petri net modeling
- Network flow modeling and simulation
- Parallel and distributed modeling and simulation
- Message passing modeling and simulation
- Resource allocation and sharing modeling
- General systems modeling and simulation





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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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