Special Issue

Recent Advances in Petri Nets Modeling

Message from the Guest Editors

Petri nets are very suitable to support this interaction as they can graphically specify sequence, concurrency, conflicts, and synchronizations. Petri nets provide a mathematically rigorous language for the construction of models with precise semantics, which can then be simulated and verified with modern computing tools. This has made Petri nets a well-known formalism widely used in different application areas. In order to tune the models to specific application areas, several extensions of Petri nets have been defined, originating from different classes of Petri nets (e.g., synchronized, colored, timed, object-oriented, continuous). The main aim of this Special Issue is to seek high-quality submissions addressing original research on Petri net modeling, as well as on topics relevant to distributed and concurrent systems. The topics of interest include but are not limited to:

- System design and model-driven development using nets;
- Structuring and composability in Petri nets modeling;
- Verification and model checking using nets;
- Others

Website:
https://www.mdpi.com/journal/applsci/special_issues/Petri_Nets_Modeling

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Deadline for manuscript submissions

closed (31 May 2022)

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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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