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Modeling, Simulation, Operation and Control of Discrete Event Systems

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Deadline for manuscript submissions:
closed (31 August 2017)

Message from the Guest Editors

Dear Colleagues,

Information and computer technologies provide the spur to the burgeoning man-made and highly automated systems where discrete events are a dominant trait, take place frequently, and play an essential role in their operation and management. The modeling, simulation, operation, and control of discrete event systems are the primary issues to be investigated. It is of paramount significance and importance to develop novel formal frameworks, analysis techniques, design tools, testing methods, and systematic control and optimization procedures for these kinds of man-made, highly complex systems; this is critical for their development and survivability. This Special Issue aims to address the present challenging crux of discrete event systems, such as supervisory control, deadlock analysis, optimal scheduling, resource management, performance evaluation, system identification, and fault diagnosis.

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Special Issue

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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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