

Special Issue

Queueing Analysis and Stochastic Simulation in Logistics

Message from the Guest Editors

Timely-fed resource allocation and activity scheduling for both material flows and document flows call for renewed research efforts to keep operations lean and processes congestion-free. Queueing/Simulation models are the natural choice for capturing the effect of stochastic events and activity duration under parallelism, synchronization, mutual exclusion, resource sharing and other operational policies. Improving the level of accuracy for analytically solved queueing stations and networks as well as the level of detail of discrete-event simulation models are two synergic objectives of increasing interest for Operations Researchers and Data Scientists. The aim of this special issue is to collect contributions in the theory and practice of queueing/simulation models and solution methods developed for logistics systems. Advances on computational mathematics for queueing networks and input-output data from event-based simulation are especially welcome.

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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