

Special Issue

Advances in Discrete Event Simulation

Message from the Guest Editors

This Special Issue aims to bring together recent research contributions that highlight the latest developments in discrete event simulation, whether theoretical, methodological, technological, or application-driven. The goal is to encourage knowledge exchange among researchers, practitioners, and industry stakeholders, and to promote innovative approaches that integrate DES modeling into the management of complex systems.

Topics of interest include, but are not limited to, the following:

- New methods and algorithms for discrete event simulation;
- Integration of simulation with artificial intelligence, machine learning, or digital twins;
- Industrial applications of DES in logistics, production, services, or healthcare;
- Simulation-based optimization and decision support;
- Visualization, human–simulation interfaces, and user experience;
- Simulation for environmental assessment or system resilience.

Guest Editors

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Prof. Dr. Greg Zacharewicz

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About the Journal

Message from the Editorial Board

We encourage you to contribute a research or comprehensive review article for consideration and publication in *Modelling* (ISSN 2673-3951), an international open access journal, which is published quarterly online by MDPI. The editorial board and staff of *Modelling* are dedicated to providing an advanced forum for studies related to the development and applications of modelling and simulation techniques. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications.

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