



systems



an Open Access Journal by MDPI

Decision Making with Model-Based Systems Engineering

Guest Editors:

Prof. Dr. Gregory S. Parnell

Department of Industrial
Engineering, University of
Arkansas, Fayetteville, AR 72701,
USA

Dr. Eric Specking

Department of Industrial
Engineering, University of
Arkansas, Fayetteville, AR 72701,
USA

Deadline for manuscript
submissions:

20 June 2024

Message from the Guest Editors

Dear Colleagues,

Model-based systems engineering (MBSE) is an approach to systems engineering that emphasizes the use of models to facilitate system design, analysis, and decision making throughout a system's life cycle. Decision making is a critical aspect of MBSE, as it enables engineers to make informed choices based on the models that they have created.

The role of decision making in MBSE is to use models to evaluate different alternatives and select the best course of action. MBSE models can represent a wide range of system elements, including system requirements, functions, behavior, and performance. By modeling and simulating a system's behavior and performance under different conditions, engineers can use MBSE to evaluate trade-offs and make decisions concerning the best design choices.

For detailed information, please visit:
mdpi.com/journal/systems/special_issues/JYGYG5OI86

Prof. Dr. Gregory S. Parnell

Dr. Eric Specking

Guest Editors



mdpi.com/si/172511

Special Issue



systems



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. William T. Scherer

Chair, Department of Systems
and Information Engineering,
University of Virginia,
Charlottesville, VA 22904, USA

Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SSCI (Web of Science), dblp, and other databases.

Journal Rank: JCR - Q2 (*Social Sciences, Interdisciplinary*) / CiteScore - Q2 (*Modeling and Simulation*)

Contact Us

Systems Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/systems
systems@mdpi.com
[X@Systems_MDPI](https://twitter.com/X_Systems_MDPI)