Special Issue

Decision Making with Model-Based Systems Engineering

Message from the Guest Editors

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

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

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Systems
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
systems@mdpi.com

mdpi.com/journal/systems

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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.

Editor-in-Chief

Prof. Dr. Ben Clegg
Operations & Service Management Department, Aston Business School, Birmingham B4 7ET, UK

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