



Digital Twin with Model Driven Systems Engineering

Guest Editors:

Prof. Dr. Thomas Clemen

Prof. Dr. Yanling Zhou

Prof. Dr. C. Donald Combs

Prof. Dr. Nobuyuki Ozaki

Dr. Thorsten Lammers

Deadline for manuscript
submissions:
closed (1 January 2023)

Message from the Guest Editors

Dear Colleagues,

Digital twins play a vital role in manufacturing, engineering, public health, logistics, smart cities, environmental management, and many other fields. The intelligent and seamless integration of data between physical and biological entities and their virtual counterparts can facilitate innovation, control, and optimization.

This Special Issue particularly looks forward to articles presenting, among others:

Fields of application and practical use cases of Digital Twins in fields such as manufacturing and industry 4.0; urban planning and smart cities; healthcare and digital patients; robots, drones and autonomous vehicles; and logistics and supply chain management.

Enabling paradigms and technologies such as artificial intelligence; machine learning; data science; the internet of things; modeling and simulation and multiagent systems.

Challenges to the development of digital twins such as safety; data privacy and security; trust and expectations and Ethics.

Prof. Dr. Thomas Clemen

Prof. Dr. Yanling Zhou

Prof. Dr. Donald Combs

Prof. Dr. Nobuyuki Ozaki

Dr. Thorsten Lammers

Guest Editors





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/Systems_MDPI)