

## Special Issue

# Digital and Intelligent Technologies for Analytics and Optimization in Industrial Systems Engineering

### Message from the Guest Editor

This Special Issue seeks to advance the frontier of knowledge in analytics and optimization of industrial systems through digital and intelligent technologies. We invite submissions that introduce new methodologies, frameworks, and applications aimed at enhancing the performance, resilience, and sustainability of modern industrial systems. Topics of interest include—but are not limited to—smart manufacturing, IIoT, AI in systems engineering, operations analytics, data-driven industrial systems, CPSs, DT, and autonomous and self-adaptive systems. By bringing together state-of-the-art contributions from academia and industry, this Special Issue is dedicated to advancing our understanding of how analytics and optimization can be effectively empower digital and intelligent technologies to shape the future of industrial systems. More specifically, it will illustrate how the hybridization of digital and intelligent technologies with advanced analytics is reshaping industrial systems into more adaptive, integrated, and sustainable systems.

### Guest Editor

Dr. Hany Osman

UNF Faculty, University of Niagara Falls Canada, Niagara Falls, ON L2E 7J7, Canada

### Deadline for manuscript submissions

30 June 2026



## Systems

an Open Access Journal  
by MDPI

Impact Factor 3.1  
CiteScore 4.1



[mdpi.com/si/259328](https://mdpi.com/si/259328)

*Systems*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[systems@mdpi.com](mailto:systems@mdpi.com)

[mdpi.com/journal/  
systems](https://mdpi.com/journal/systems)





# Systems

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 4.1



[mdpi.com/journal/  
systems](https://mdpi.com/journal/systems)



## About the Journal

### 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.

---

### Editor-in-Chief

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

---

### 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), Ei  
Compendex, dblp, and other databases.

#### Journal Rank:

JCR - Q1 (Social Sciences, Interdisciplinary) / CiteScore -  
Q2 (Modeling and Simulation)