

## Special Issue

# Developing Resilient Systems: Engineering Solutions for a Changing World

### Message from the Guest Editors

The articles included in this Special Issue will explore various aspects of resilience engineering, including the design and evaluation of resilient systems, the identification of potential vulnerabilities and risks, the development of strategies for mitigating and managing disruptions, and the use of emerging technologies and approaches to enhance system resilience, including artificial intelligence (AI) and machine learning (ML). The contributions will highlight the importance of interdisciplinary collaboration and the integration of diverse perspectives and expertise in the development of resilient systems. This Special Issue will provide valuable insights and practical solutions for engineers, researchers, and practitioners working to create resilient systems that can withstand and adapt to the challenges of a rapidly changing world. For detailed information, please visit:  
[mdpi.com/journal/systems/special\\_issues/42U5G82119](https://mdpi.com/journal/systems/special_issues/42U5G82119)

### Guest Editors

Dr. Randy Buchanan

U.S. Army Engineer Research and Development Center (ERDC),  
Vicksburg, MS 39180, USA

Prof. Dr. Gregory S. Parnell

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

### Deadline for manuscript submissions

closed (20 June 2024)



## Systems

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.1  
CiteScore 4.1



[mdpi.com/si/172542](https://mdpi.com/si/172542)

*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)