

Special Issue

System of Systems Modelling and Simulation

Message from the Guest Editor

- This Special Issue of *Systems* invites science and engineering researchers along with practitioners of system of systems (SoS) to contribute to the advancement of the body of knowledge for SoS modelling and simulation (M&S).
- The impact of SoS in our complex economic-socio-political world and its environment has become pervasive. The early concepts of SoS in the late twentieth century to deliver mission capabilities from a geographically distributed assembly of independent constituent systems have evolved into the integration of capabilities, services, and complex systems in domains of engineering such as aerospace, transportation, manufacturing, finance, and in natural domains such as the environment.
- The current generation of modelling languages, methods, and tools for model-based systems engineering can be leveraged to support the analysis and management of the properties and behavior of an SoS of interest. However, SoS M&S must also account for interoperability of and secure communications between the constituent systems.
- This Special Issue will inform the community about the state of the art of SoS M&S and pathways to the next generation, including domain case studies.

Guest Editor

Prof. Dr. Charles Dickerson (* Prof. Emeritus)
Wolfson School of MEME, Loughborough University, Loughborough
LE11 3TU, UK

Deadline for manuscript submissions

31 December 2026



Systems

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 5.4



mdpi.com/si/278040

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

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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, Birmingham B4 7ET, UK

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