Special Issue

Cyber Security Challenges in Complex Systems

Message from the Guest Editor

Much of the systems research applies modern systems engineering tools and techniques to improving cyber resilience and finding the right balance between meeting cyber threats and commercial profitability. More adaptive research approaches use model-based systems engineering and cybersecurity awareness training techniques to analyse and improve, taking on the educational and penetration challenge of such a diverse socio-technical problem. Each domain, and often different counties, especially for their critical infrastructure, must adapt the research, tools and techniques slightly differently based upon their supply footprints, profit margins, societal awareness and exposure to nation-state and criminal threats. This Special Issue concerns systems and socio-technical challenges as well as solutions to achieving greater cyber resilience in complex systems and capabilities. Submissions may be from any critical infrastructure domain or multi-domain as long as they address cyber resilience with a systems approach.

Guest Editor

Dr. Keith Joiner

Capability Systems Centre, University of New South Wales, Australian Defence Force Academy, Canberra 2600, Australia

Deadline for manuscript submissions

15 May 2025

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. William T. Scherer
Chair, Department of Systems and Information Engineering, University of Virginia, Charlottesville, VA 22904, USA

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