

Special Issue

Developments and Strategies for Cyber-Physical Systems in the Age of Industry 5.0

Message from the Guest Editor

The advent of Industry 5.0 brings forth a new era of digital transformation, characterized by the continuous integration of cyber systems and physical systems in order to enhance efficiency, productivity, and sustainability. Cyber-Physical Systems (CPSs) bridge the gap between the virtual and physical worlds in order to revolutionize various domains, including manufacturing, transportation, healthcare, energy, and cities. Potential topics of interest include, but are not limited to, the following:

- Integration of artificial intelligence, machine learning, and data analytics in CPS;
- Security, privacy, and trustworthiness in CPS deployment;
- Human-CPS interaction and collaboration frameworks;
- Industrial applications and case studies of CPS;
- Component-based real-time scheduling algorithm and schedulability analysis for CPS;
- Mixed-criticality systems and case studies (e.g., automotive/avionic systems).

For detailed information, please visit:

mdpi.com/journal/systems/special_issues/R30IMH2O26

Guest Editor

Dr. Jaewoo Lee

Department of Industrial Security, Chung-Ang University, Seoul 06974, Republic of Korea

Deadline for manuscript submissions

31 May 2025



Systems

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 2.8



mdpi.com/si/199580

Systems

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

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





Systems

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 2.8



[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. 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)