

## 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](https://mdpi.com/journal/systems/special_issues/R30IMH2O26)

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 May 2025)



## Systems

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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.

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### Editor-in-Chief

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