

Special Issue

Advances in Monitoring and Control for Safe and Secure Industrial Processes

Message from the Guest Editors

This Special Issue aims to highlight the latest trends, research, applications, and challenges in monitoring and control for secure and resilient industrial processes. We invite both theoretical and application-oriented contributions, as well as review articles that explore innovations in these areas. All submissions will undergo peer review and will be evaluated for their originality, relevance, and contribution to the field. Potential topics of interest include, but are not limited to, the following:

- Real-time monitoring and control systems for industrial safety and security,
- Application of AI, machine learning, and data analytics in process monitoring,
- IIoT-based sensor networks for secure remote monitoring,
- Collaborative and autonomous robots in secure industrial environments,
- Human-in-the-loop systems for enhanced process automation and safety,
- Cybersecurity frameworks for industrial control systems,
- Predictive maintenance and fault detection using advanced monitoring techniques,
- Digital twin applications for safety and security,
- Resilience strategies for industrial systems against cyber-physical threats.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2025)



Processes

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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