

## Special Issue

# Innovative Techniques for Safety, Reliability, and Security in Control Systems

### Message from the Guest Editors

This Special Issue on Innovative Techniques for Safety, Reliability, and Security in Control Systems aims to present the most recent advances in the application of advanced mathematics, control theory, and computational algorithms to fault diagnosis, fault-tolerant-control, and secure control. Original research papers review papers on the state of the art and visionary papers that present new perspectives, ideas, and concepts with potential impact in the future are welcomed. Potential topics include (but are not limited to):

- Fault diagnosis and fault-tolerant control in control systems;
- Innovative model-based, data-driven, artificial intelligence and statistical techniques for FD and FTC;
- Health, quality, condition and risk monitoring, and their integration with FD and FTC;
- Solutions to problems related to post-fault operation and prevention of fault propagation

---

### Guest Editors

Dr. Francisco Ronay López-Estrada

Tecnológico Nacional de México / Instituto Tecnológico de Tuxtla Gutiérrez, TURIX-DYNAMICS Diagnosis and Control Group, Carretera Panamericana, Km 1080, Tuxtla Gutierrez 29050, Mexico

Prof. Dr. Guillermo Valencia-Palomo

Tecnológico Nacional de México/Instituto Tecnológico de Hermosillo, Ave. Tecnológico y Periférico Poniente SN, Hermosillo 83170, Mexico

---

### Deadline for manuscript submissions

closed (15 April 2023)



## Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



[mdpi.com/si/95595](https://mdpi.com/si/95595)

*Processes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[processes@mdpi.com](mailto:processes@mdpi.com)

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

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





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5



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



## 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.

---

### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

#### Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))