

## Special Issue

# Advances in Power Systems Digitisation and Automation

### Message from the Guest Editor

This Special Issue on “Power System Digitization and Automation” aims to curate novel advances in the development and application of digital technologies to address challenges in the digitization transformation of the power system. Topics include but are not limited to:

- Big data, data modeling, and enhanced analysis—prediction maintenance, planning, and operational changes;
- Application of standards, such as the common information model (CIM) substation —electricity or energy market, and IEC61850 data communications;
- Function digitalization through more connectivity and IoT, such as virtual power plant and digital twins of power network operation and control;
- Technology progressing to “decentralization” disruptive forces reshaping energy transition through, for example, new merging of digital technology and new best practices and business models in term of digitalization in power systems;
- Cybersecurity, such as methods and applications of cyber risk analysis, intrusion detection, intrusion response and recovery.

### Guest Editor

Dr. Haiyu Li

Electrical and Electronic Department, University of Manchester,  
Manchester M13 9P, UK

### Deadline for manuscript submissions

closed (8 May 2024)



## Processes

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.1



[mdpi.com/si/96735](https://mdpi.com/si/96735)

*Processes*

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

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





# Processes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.1



[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:

JCR - Q2 (Engineering, Chemical) / CiteScore - Q2 (Chemical Engineering (miscellaneous))