

Special Issue

Intelligent Control and Maintenance of Fluid Component and System

Message from the Guest Editors

This Special Issue on “Intelligent Control and Maintenance of Fluid Component and System” seeks high-quality works focusing on the latest novel advances regarding the modeling, simulation, optimization, controlling, application, and maintenance of all kinds of fluid components and systems. The topics within the scope of the issue are mainly in the following, but not limited to this: (1) Modeling and identification of fluid components and systems (e.g., robots, underwater manipulators, aero-engines, etc.); (2) Smart fluid components and systems (e.g., fluid components driven by smart material, digital fluids, microfluidics, etc.); (3) Design and optimization of fluid components and systems (e.g., pump, valve, hydraulic cylinder, motor, nozzle, turbine, system, etc.); (4) Advanced control of fluid components and systems (e.g., sliding mode control, adaptive control, robust control, neural network, deep learning, etc.); (5) Fault diagnosis and life prediction of fluid components and systems; (6) Intelligent maintenance of fluid components and systems; (7) Applications of fluid components and systems.

Guest Editors

Dr. Yong Zhu

Dr. Qiang Gao

Dr. Xiaoming Yuan

Prof. Dr. Chuan Wang

Dr. Bo Hu

Deadline for manuscript submissions

closed (25 April 2023)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/118433

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[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))