Special Issue

Computational Intelligence for Novel Processing Techniques in Industrial Applications

Message from the Guest Editors

Digital processing techniques with computational intelligence play a noteworthy role and have been extensively applied in industrial applications, such as application domains in smart manufacturing systems, digital medical image systems, and infosecurity communication systems. These techniques have attracted the attention of many researchers who want to develop computational intelligence-based techniques for the abovementioned industrial applications. Therefore, novel computational intelligence-based methods/algorithms are required for the following purposes: (1) automatic visual inspection or search, automatic control, advanced robotics, and fault detection in smart manufacturing systems; (2) automatic visual inspection, image enhancement and segmentation, and automatic diagnosis/detection in digital medical image systems; and (3) word, text, and image encryption and decryption infosecurity communication systems. **Keywords**

- smart manufacturing system
- medical image system
- infosecurity communication system
- automatic visual inspection
- fault detection
- three-dimensional printing
- automatic diagnosis, detection, and monitoring
- fractional-order calculus

Guest Editors

Prof. Dr. Chia-Hung Lin

Prof. Dr. Neng-Sheng Pai

Dr. Pi-Yun Chen

Dr. Jian-Xing Wu

Prof. Dr. Wen-Cheng Pu

Deadline for manuscript submissions

closed (15 December 2023)

MDPI

Processes

MDPI

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))