Special Issue

Applied Industrial Technologies Correlated to Advanced Decision-Making Techniques in Dynamic Industry 4.0 Sustainable Engineering Processes

Message from the Guest Editors

The globalized market and digitally supported industry, regardless of the production type, from the most basic job shop to mass personalized production, aim to optimized engineering processes. In the era of Industry 4.0 (and beyond), where the high complexity of engineering processes is reflected in applied cases of the multi-criteria decision making, optimization problems need to be solved with advanced evolutionary computation methods, complex systems simulations, and new visual computing approaches. Personalized products in Industry 4.0 manufacturing systems are represented by the high-mix, low-volume production type, for which adequate evaluation of different optimization parameters is crucial. The impact of highly dynamic processes needs to be further explored to sustainably justify engineering processes in globalized markets. This Special Issue aims to incorporate recent developments in decision-making techniques, Industry 4.0 and sustainable engineering processes. We sincerely hope that contributed articles and our effort in compiling them will enrich the global scientific knowledge base and inspire researchers to conduct further state-of-the-art research.

Guest Editors

Dr. Robert Ojstersek

Prof. Dr. Iztok Palčič

Dr. Hankun Zhang

Deadline for manuscript submissions

closed (31 March 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/118756

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)