Special Issue

New Frontiers in Advanced Manufacturing

Message from the Guest Editors

Advanced manufacturing is entering a new frontier that has the potential to revolutionize every facet of design, process, and product quality. However, it is facing many challenges, such as heavy material waste, low repeatability/reproducibility, and heavy human intervention under uncertainties. To solve the aforementioned issues, new computational models that help to identify the process–product relationships further enhance advanced manufacturing processes in autonomous planning under uncertainty, quality management, assurance, real-time monitoring, prediction, and control need to be developed.

Guest Editors

Dr. Carter Hamilton

Prof. Dr. Hanbin Xiao

Dr. Xinyi Xiao

Deadline for manuscript submissions

closed (20 December 2022)

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)