

Special Issue

AI Applications in Smart and Advanced Manufacturing

Message from the Guest Editors

Smart and advanced manufacturing are transforming the global manufacturing industry. A myriad of new digital technologies are paving the way for the fourth industrial revolution that promises to make manufacturing processes more efficient, sustainable, and profitable. Products and processes become smarter and connected, providing large quantities of data. To create value from this new wealth of manufacturing and usage data, we need new, innovative tools, algorithms, and applications to process, manage, and analyze them in order to create valuable insights for manufacturers. Artificial Intelligence (AI) provides such capabilities and means to help manufacturers to gain insights to improve design, manufacturing, and handling of processes and products. In this Special Issue of *JMMP*, we aim to report on novel applications in the field of AI applications in smart and advanced manufacturing. We are looking for original contributions for both general AI and dedicated machine learning applications to improve products and processes throughout manufacturing systems and global digital supply networks (DSN).

Guest Editors

Prof. Dr. Thorsten Wuest

Prof. Dr. Gisela Lanza

Prof. Dr. Fei Tao

Prof. Dr. Ang Liu

Prof. Dr. Alejandro G. Frank

Deadline for manuscript submissions

closed (31 July 2020)



Journal of Manufacturing and Materials Processing

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.2



mdpi.com/si/40490

*Journal of Manufacturing and
Materials Processing*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmmp@mdpi.com

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





Journal of Manufacturing and Materials Processing

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.2



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



About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

Editor-in-Chief

Prof. Dr. Steven Y. Liang
George W. Woodruff School of Mechanical Engineering, Georgia
Institute of Technology, Atlanta, GA 30332-0405, USA

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, CAPIus / SciFinder, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2
(Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).