

## Special Issue

# Smart Manufacturing Processes in the Context of Industry 4.0

### Message from the Guest Editor

This Special Issue is seeking paradigms and applications of pertinent systems including cyber-physical systems. Topics include, but are not limited to, the following:

- Data and information-driven schemes and their real-time implementation for control of manufacturing processes, both stand-alone and chains thereof.
- Sensor-based data collection for monitoring manufacturing processes as well as the pertinent equipment, such as machine tools, tools, jigs and fixtures, etc.
- Intelligent algorithms, tools and IT infrastructure, for assessing manufacturing process and product quality in real time, including computer vision.
- Self-correction of manufacturing process setup in real-time based on models, sensors and/or large data.
- Virtual and Augmented Reality for designing, planning, monitoring or supporting the execution of manufacturing processes.
- Sensor and software-based real-time reconfiguration of machine tools.
- Smart machine tools, with internet-enhanced functionality, including 3D printers, hybrid material addition-removal machines and photonics-based machines.

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### Guest Editor

Prof. Dr. George-Christopher Vosniakos

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### Deadline for manuscript submissions

closed (30 July 2018)



## Journal of Manufacturing and Materials Processing

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CiteScore 5.2



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## 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*.

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### Editor-in-Chief

Prof. Dr. Steven Y. Liang  
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).