Special Issue

Digital Twinning for Manufacturing

Message from the Guest Editor

We are pleased to invite you to contribute to a Special Issue focusing on digital twinning for manufacturing. This Special Issue aims to explore the latest advancements, applications, and innovations in digital twin technology and modeling within the realm of advanced manufacturing processes and systems. Scope and Topics: Digital twin technology has emerged as a transformative approach in the manufacturing sector, enabling the real-time monitoring, simulation, and optimization of manufacturing processes and systems. This Special Issue seeks to gather high-quality research papers that address, but are not limited to, the following topics:

- Development and implementation of digital twin simulation models for manufacturing processes and for manufacturing systems and production lines;
- Integration of digital twins with IoT, AI, and big data analytics;
- Case studies and applications of digital twins in smart factories;
- Predictive maintenance and real-time monitoring using digital twins;
- Enhancing product lifecycle management through digital twin technology;
- Challenges and future directions in digital twinning for manufacturing.

Guest Editor

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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.*

Editor-in-Chief

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