

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

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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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