Special Issue

Advances in Robotic-Assisted Manufacturing Systems

Message from the Guest Editor

Robots can serve as industrial platforms, paired with different end effectors, to complete various manufacturing processes, such as processing, assembly, laying, welding, handling, and measurement. Moreover, in different manufacturing processes, it can replace humans in order to achieve digital and intelligent manufacturing. With the advancement of high-precision execution capabilities, multifunctional end effectors, human–machine interaction, rapid programming, multi-machine collaboration, sensors, and other technologies, robots are receiving significant attention in the manufacturing field, more and more robot-assisted manufacturing systems are being applied in industrial production sites. In this Special Issue of JMMP, we are looking for recent findings which focus on Robotic-Assisted Manufacturing Systems. Papers will be considered that show significant advancements according to human–machine integration, digital twins, human–machine collaboration, reconfigurable robots, autonomous mobile robots, intelligent robots, and typical applications of robots in various manufacturing processes.

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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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