

Special Issue

Design and Manufacturing: An Industry 4.0 Perspective

Message from the Guest Editors

Industrial investments include the use of advanced technologies, which refine, accelerate, improve the quality of, and raise the profitability of the stakeholders. As part of Industry 4.0, 3D printing technology, the Internet of Things (IoT), virtual and augmented reality, artificial intelligence, computer-based simulations, etc., offer considerable opportunities for transforming the traditional approach of product design and manufacturing towards a computer-based innovative way of work. Not only have design and manufacturing changed, but also researchers, engineers and the academic works towards incorporating high-end applications to all stages of a product's life cycle, each of them shaping the future of the industry by creating both new opportunities within specific sectors and new challenging demands. This Special Issue aims to assemble recent advances in design and manufacturing from an Industry 4.0 point of view, topics of great interest including frameworks and applications offering advantages towards achieving the goals of Industry 4.0.

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided. There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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