

Special Issue

Intelligent Factory 4.0: Advanced Production and Automation Systems

Message from the Guest Editors

Dear colleagues, The Fourth Industrial Revolution (Industry 4.0) capitalizes on the implementation of digitization and automation in manufacturing and production systems. These solutions make it possible to improve the efficiency of production processes, and thus, overall industrial activity. Therefore, it is important to design and control increasingly complex industrial cyber-physical systems. In this regard, the main goal of this Special Issue is to promote advanced research in the field of intelligent manufacturing systems within the context of Industry 4.0. These studies should focus on the integration, development, and improvement of production processes. Submissions detailing research in the field of the automation of production processes, and the development of digital twins are highly desirable. Practical experiences, through the description of case studies and original solutions as part of industrial activities, will bring significant value. Additionally, theoretical works, including methodological and procedural considerations about smart manufacturing systems and their detailed processes, are of interest to this Special Issue.

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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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