



Intelligent Factory 4.0: Advanced Production and Automation Systems

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Deadline for manuscript
submissions:
closed (31 December 2022)

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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Message from the Editor-in-Chief

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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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