Advanced Design and Manufacturing in Industry 4.0

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Message from the Guest Editors

Industry 4.0 (I4.0) topics are directly related to the concept of "Smart Factory", outlining a new vision in which the traditional factory evolves into a fully automated, digitized, flexible and connected system capable of learning and adapting to new scenarios. Furthermore, I4.0 not only revolutionizes the idea of factory as a whole, but it can also have a decisive impact on the way in which products and services are designed. In these terms, it is possible to introduce the concept of "fourth design revolution", i.e., a new way of developing the design of smart and connected products that allows for continuous interaction between the designer and product.

This Special Issue focuses on all aspects of scientific and technological progress related to the advanced design and manufacturing processes in all industrial fields, promoting I4.0 and sustainability principles.

Advanced research studies, models, methodologies, case studies, best practices and literature reviews that are focused on these aspects are welcome.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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