



Industrial Design and Production Engineering for Sustainability

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Message from the Guest Editors

Huge emissions of carbon dioxide have resulted in climate change, which is a worldwide phenomenon with transnational dimensions. Everyday life is affected by extreme weather related to climate change. Although the effects are different from region to region, common measures are possible, and the accumulated experience is useful. Awareness of sustainability and circularity issues and the need for change in the industry has never been higher.

Innovation, in terms of new kinds of production processes, physical management resources (e.g., new machines or robots), chemistry, materials, production and applications outside the conventional industrial design and production, is essential. The emerging problem of the sustainability of industrial systems and their ecological transition is pushing for the further development of existing technologies. To this end, a conceptual framework becomes necessary for the development of theories and methods (e.g., process analysis, safe operations) for sustainable industrial design and production and their implementation in the supply chains of manufacturing products, with particular attention to their impact on environment, society and the economy.





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Message from the Editor-in-Chief

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