



Advanced Manufacturing Technology in the Automotive Industry

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Message from the Guest Editor

Dear Colleagues,

The automotive industry remains one of the most competitive sectors in the world economy. Materials and manufacturing systems have registered a strong evolution, increasing the mechanical resistance of alloys, improving the corrosion resistance of ferrous alloys, increasing the use of non-ferrous alloys, etc. The technology used in production in the automotive industry has also been deeply improved, increasing the overall quality, enhancing the productivity and flexibility of manufacturing systems, ensuring better quality and also reducing the costs. This Special Issue intends to aggregate a significant number of technological advances in manufacturing systems related to the automotive industry. Papers regarding the investigation of new metallic materials for the automotive industry, research into the heat treatment of alloys devoted to the automotive industry, advances in manufacturing processes related to the automotive industry, the development of new equipment able to improve manufacturing processes in the automotive industry, and so on, will be welcome.

Prof. Francisco J. G. Silva
Guest Editor





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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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