



## Precipitation of Casting Light Alloy

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### Message from the Guest Editor

Dear Colleagues,

Light alloys of aluminium and magnesium are overwhelming in use in the most casting consumer sector of the automotive manufacture. Heat treatment in these alloys is of paramount importance to improve the as-cast properties and though reaching new and higher mechanical properties or undertake further post-casting processing such as welding in structural castings sought in use in the automotive industry. So this Special Issue of MDPI - Metals will focus on the importance of heat treatment, especially the precipitation phenomena, time and temperature combination, effect of thickness variation in castings, together are the bottleneck in the production and delivery of those castings.

Prof. Dr. Carlos A. Silva Ribeiro  
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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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