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Alloys Casting: Materials, Technologies, and Applications

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editors

Dear Colleagues,

Foundry processes are now widely applied for the manufacturing of near net shape products for different applications, ranging from structural or mechanical fields. In order to guarantee the obtainment of high-quality cast parts that are able to fulfil the industrial requirements, the alloy has to be properly chosen and treated, and the mold, runners, and gating systems have to be accurately designed. This Special Issue aims at disseminating the most recent developments and research in foundry, dealing with both the metal engineering and casting technologies.

Papers on the microstructural and mechanical characterization of castings as well as on the improvement or innovation of alloys and processes are strongly encouraged, especially if compared with conventional ones.

As liquid metal preparation, heat treatments and finishing operations are known to affect the final properties of cast parts, studies exploring these topics are welcome.

Additionally, the Guest Editors of this Special Issue also appreciate papers dealing with the simulation and modelling of foundry processes.





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Message from the Editor-in-Chief

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