

Special Issue

Casting and Solidification Processing (Second Edition)

Message from the Guest Editors

Casting is one of the most important shaping processes largely used and consolidated throughout the world to produce near-net-shaping parts. Its advantages compared to other manufacturing processes are evident: relatively low production cost and time, high ranges of thicknesses and masses allowed, the possibility to shape alloys that are only castable (cast iron or certain light alloys), high adaptability to the requirements of mass production, and last, but not least, the excellent bearing quality of the casted parts. A comprehensive understanding of those rules is still unknown to the academic world and represents a formidable challenge. This Special Issue will collect recent research works about casting and solidification processing in order to give the reader an overview of the actual knowledge about casting phenomena. Given your expertise in the field, we would like to invite you to submit a manuscript to be considered for inclusion in this Special Issue. The manuscripts will undergo the standard review process of the journal and will be judged exclusively based on their scientific content.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)



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About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Yong Zhang

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