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Continuous Casting and Fluid Mechanics of Steels

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Deadline for manuscript submissions:
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Message from the Guest Editor

The continuous casting process is a mature technology that has transformed the industry into the frontrunner of the metal processing industries. The advent of computers of high efficiency and the accessibility of modern software have permitted us to understand the associated phenomena of fluid flow, solidification, heat transfer, mold stresses, cooling operations, and steel cleanliness. Physical modeling incorporates experimental technologies such as tracer mixing, particle image velocimetry, and ultrasound sensors to evaluate the matching between mathematical simulations and physical modeling. Continuous casting is a vivid industry composed of an energetic community whose efforts are evident by the growing number of high-quality papers published year by year in specialized journals. In this Special Edition of *Metals*, as Guest editor, I have the honor to invite all scientists and engineers of the continuous casting world to publish your valuable contributions, which will help our industry to grow and keep steel as the material of choice.

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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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