

Special Issue

Strip Casting of Metals and Alloys

Message from the Guest Editor

Strip casting, and its associated variants, are of significant interest for the metallurgical community. Although some work on the heat transfer and substrate wettability during steel strip casting has been completed, there are an increasing number of studies showing how unusually steel alloys behave after strip casting. These unusual microstructural observations make the study of ferrous strip casting of great relevance to the metallurgical community, and papers relating to this topic are invited. Nonferrous strip casting has also received a significant amount of research attention. For the case of magnesium in particular, the texture has been found to be modified by strip casting, leading to a significant change in mechanical properties. Again, there is some interesting metallurgy currently being discovered in this field. Submissions on topics related to the solidification, texture, microstructure and properties of strip cast metals and alloys are invited to this issue. Articles on associated casting technologies, such as thin slab casting, splat quenching, Hazelett casting, and twin belt casting, are also welcomed.

Guest Editor

Prof. Dr. Nikki Stanford

Future Industries Institute, University of South Australia, Building MM,
Mawson Lakes Campus, Mawson Lakes, SA 5095, Australia

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Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

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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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Prof. Dr. Hugo F. Lopez

Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

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