



Optimizing Techniques and Understanding in Casting Processes

Guest Editors:

Dr. Ramón Suarez

Azterlan and Veigalan Estudio
2010, 48200 Durango (Bizkaia),
Spain

Dr. Jon Sertucha

Azterlan, Basque Research
Technological Alliance,
Aliendalde Auzunea 6, 48200
Durango, Spain

Dr. Gorka Zarrabeitia

IK4-AZTERLAN · Department of
Engineering, R&D and
Metallurgical Processes, Spain

Deadline for manuscript
submissions:
closed (31 January 2022)

Message from the Guest Editors

The present issue has been intended to show the most recent advances and developments in casting technologies which can be apply in foundry plants to manufacture cast alloys parts. Such improved methods must be oriented to solve problems in the casting processes, make them simpler and better controlled than the usual ones and/or to develop new processes which improve the properties of the resulting alloys and reduce the costs.

- Foundry process
- cast iron
- cast aluminium
- melting
- melt treatment
- pouring
- melt additions
- mechanical properties
- casting technology
- data acquisition
- artificial intelligence
- finishing
- simulation
- filling system
- feeding system
- foundry cost





an Open Access Journal by MDPI

Editors-in-Chief

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

Prof. Dr. Yong Zhang

Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/Metals_MDPI)