Special Issue

Computational Modeling of Material Forming Processes

Message from the Guest Editors

The computational modeling of material forming processes has been a strongly active research field in the last few decades. Significant advances in this field have been made as the result of interdisciplinary multi-physics and multiscale research in related fields of computational mechanics, nonlinear constitutive material models, mathematical analysis, and numerical methods. Additionally, during this period, the industry has shown a growing interest in incorporating numerical techniques as a valuable tool for material design and process optimization. This SI will collect a set of selected full papers to be presented at the IS organized by the in the upcoming international conferences COUPLED PROBLEMS 2021, to be held in 13-16 June 2021, and COMPLAS 2021, to be held in 7-10 September 2021. A special 30% discount offer will be applied by *Metals* editors to those selected contributions. On the other hand, this SI is also open to other high-quality contributions by well-known researchers working on the field.

Guest Editors

Prof. Dr. Carlos Agelet de Saracibar
Prof. Dr. Jean-Philippe Ponthot
Prof. Dr. Robertt Valente

Deadline for manuscript submissions

closed (31 December 2021)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).

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