

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 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.

Editors-in-Chief

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