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# **Modeling and Simulation of Metal Forming Processes**

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Deadline for manuscript submissions:

closed (30 September 2023)

# **Message from the Guest Editors**

Dear Colleagues,

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: sheet metal forming, bulk metal forming, and sheet-bulk metal forming and different modeling techniques, such as the slip line field technique, slab method, visioplasticity, finite difference method, upper bound method, and finite element analysis. The Special Issue also covers all forming processes and modeling methods, including bulk forming, sheet forming, forming in near-melt conditions (thixoforming, injection molding, film blowing), powder forming, hydro-forming, hot stamping, micro-forming, incremental forming, thermo-forming, extrusion additive manufacturing, laser sintering, severe plastic deformation techniques, etc. Other manufacturing technologies, such as cutting and machining, can be considered if the article focuses on plastic deformations. The Special Issue also intends to present the fundamental development trends in the field together with the most recent advances in the use of metallic materials—synthesis, advanced experimental characterization, material modeling, and engineering applications.











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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 metallurgical field the ranging from processing. and mechanical behavior. phase transitions microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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