



Sheet Metal Forming

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Message from the Guest Editors

Products manufactured by sheet metal forming are still extremely relevant in many industries today. In this context, formability is one of the critical aspects in this kind of process. The achievement of adequate knowledge around the mechanical behavior of sheet material during its deformation involves the analysis of complex phenomena that ultimately condition its formability, e.g., finite strain plasticity, hardening effects, damage, texture development, and defect formation.

The current Special Issue is focused on the most recent advances in both the experimental characterization and numerical modeling of sheet formability in processes using different metallic alloys formed under general operating conditions. Novel experimental techniques and testing set-ups together with numerical simulations including advanced constitutive models defined both at macroscopic and microscopic scales are especially welcome.





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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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