

Special Issue

Advanced Plastic Forming Processes: Theory, Experiments and Numerical Simulations

Message from the Guest Editor

Plastic forming technology is an important part of the advanced manufacturing field. Using this technology, not only can complex shape components be obtained but excellent comprehensive service performance can also be given. These tools are widely used in, for example, aerospace, the automobile industry, high-speed rail and nuclear power. This Special Issue aims to present the latest research on plastic forming technology, including advanced forming processes, theories, experiments and numerical simulations. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: sheet forming processes, tube forming processes, forging forming process, plastic forming theory, forming machines and finite-element methods.

Guest Editor

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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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