Special Issue

Advanced Metal Forming Processes II

Message from the Guest Editors

It is well-known that metals and alloys are typically hard, malleable materials with good electrical and thermal conductivity. The plastic deformation of metals and alloys is very important in metal forming processes. Metal forming processes are characterized by the fact that the metal being processed is plastically deformed to shape it into the desired geometry. Along with the change in size and shape of a plastically deformed product, the structure and properties vary. This makes it possible to use a plastic deformation process step, modifying the structure and properties of the metals and alloys in the desired direction. Many procedures and methods exist, such as traditional (forging, extrusion, pressing, and rolling) and advanced metal forming processes; for example, severe plastic deformation processes (ECAP, ECAR, and HPT) and additive manufacturing processes. The aim of these processes is usually to achieve the proper microstructure and material properties in innovative materials.

This Special Issue(SI) aims to present the latest works in the research and development of advanced metal forming processes. It is our pleasure to invite you to submit a manuscript to this SI.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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