Special Issue

Metal Forming and Forging

Message from the Guest Editors

Metal forming and forging and are used extensively for the industrial production of high-added-value components using different metal alloys. The aim of this Special Issue is to collect outstanding papers about the above-mentioned processes that can help to solve and understand real industrial problems for better and more robust process design, process monitoring, and control. Of special interest will be the contributions about the development of new material and the tribological/contact characterization methods ending in advanced numerical models that enable the simulation of complex industrial processes and their understanding. **Keywords**

- Sheet metal forming: deep drawing and stamping, hot stamping and press hardening, gas or fluid media forming, shear forming, roll forming, and levelling
- Bulk metal forming, forging: cold and hot forging, rolling processes, and bulk sheet metal forming
- Material and tribological/contact characterization and modelling
- Microstructural evolution modelling
- Damagen failure and ductile fracture modelling, final properties prediction
- Model-based process control, analytical and empirical methods

Guest Editors

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Deadline for manuscript submissions

closed (10 October 2022)

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About the Journal

Message from the Editorial Board

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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