metals

an Open Access Journal by MDPI

IMPACT FACTOR 2.6

CITESCORE 4.9

Optimization of Sheet Metal Forming Processes

Guest Editor:

Dr. Tomaž Pepelnjak
Associate Professor, Faculty of Mechanical Engineering, University of Ljubljana, Aškerčeva 6, SI-1000 Ljubljana, Slovenia

Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editor

Dear Colleagues,

Manufacturing of industrial components made of sheet metal has to be in constant evolution, either through optimization of part properties, springback control, production costs or production quality. Development of methodologies and techniques used to adequately process various sheet metals in small batches or mass production is crucial for successful competition on the market.

In this Special Issue, we shall collect a set of contributions and novel research ideas oriented toward the optimization of manufacturing of sheet metal components, including:

- Online process control in production of sheet metal parts;
- Digital evaluation of sheet metal process;
- Sheet metal process optimization;
- Innovative technologies for improved forming processes;
- Evaluation of material and process parameters in sheet metal processes;
- Design and behavior of innovative tools and devices for manufacturing sheet metal parts;
- Production adaptability;
- Quality of forming processes.

Paper reporting new and unpublished advances concerning innovative concepts, technologies, and solutions aimed at optimization of forming processes are welcomed.

metals

IMPACT FACTOR 2.6

CITESCORE 4.9

an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez
Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
𝕏@Metals_MDPI