Special Issue

Optimization of Sheet Metal Forming Processes

Message from the Guest Editor

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Paper reporting new and unpublished advances concerning innovative concepts, technologies, and solutions aimed at optimization of forming processes are welcomed.

Guest Editor

Dr. Tomaž Pepelnjak

Associate Professor, Faculty of Mechanical Engineering, University of Ljubljana, Aškerčeva 6, SI-1000 Ljubljana, Slovenia

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Metals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metals@mdpi.com

mdpi.com/journal/metals

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About the Journal

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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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

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