

Special Issue

Design, Modeling and Simulation of Metal Forming Processes

Message from the Guest Editors

In this Special Issue, we invite all interested researchers to submit articles that focus on the latest research advances related to metal forming technologies, such as: rolling, forging, sheet forming, incremental forming, extrusion, drawing, tube forming, joining, hydroforming, high energy, explosive forming, roll forming, micro and nano forming, semi-solid forming, powder forming, magnesium forming, titanium and its alloys forming, Inconel forming, thread rolling, sliding burnishing and rolling burnishing, and hybrid machining. We welcome authors to submit articles, reviews and communications on the results of a very broad spectrum of research into material modeling; constitutive models; contact problems; mechanics of deformation; process and system modeling; numerical solutions and simulations; modeling and measurement of physical phenomena during manufacturing processes to predict and evaluate product quality; material behavior during deformation; and properties of final products after forming.

Guest Editors

Prof. Dr. Leon Kukielka

Department of Mechanics and Construction, Faculty of Mechanical Engineering, Technical University of Koszalin, 75-453 Koszalin, Poland

Dr. Krzysztof Kukielka

Faculty of Mechanical Engineering, Department of Production Engineering, Technical University of Koszalin, 75-453 Koszalin, Poland

Deadline for manuscript submissions

closed (30 August 2024)



Metals

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Impact Factor 2.5
CiteScore 5.3



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

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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.

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

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