

Special Issue

Welding Experiment and Simulation of Metallic Materials

Message from the Guest Editor

Welding is growingly used in a variety of industries, e.g., rail transportation, automotive, marine, power plants, biomedical micro-electro-mechanical systems (MEMS) and BioMEMS devices, etc. This special issue is focused on the challenges and opportunities faced by Welding Experiment and Simulation. Better understanding of the welding process and quality controlling methodologies used in the welding is of great significance for achieving the high quality welding process. Multi-disciplinary discussion and debate about the welding experiment, welding process simulation, welding quality improvement methodologies and welded joints performance will be encouraged.

Guest Editor

Dr. Yuewei Ai

School of Traffic & Transportation Engineering, Central South University, Changsha, China

Deadline for manuscript submissions

closed (20 August 2024)



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Metals
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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