



Characterization of Welded Joints

Guest Editor:

Dr. Francisco J. G. Silva

Department of Mechanical
Engineering, ISEP-School of
Engineering, Polytechnic of
Porto, 4200-072 Porto, Portugal

Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

Welding remains as one of the most important manufacturing processes in the metalworking industry. Its critical importance is revealed in many applications, from small devices such as pacemakers to huge metallic structures. The development of new metallic materials is an important challenge for welding, because it presents new difficulties that need to be overcome. Furthermore, welding processes such as friction stir welding, laser, and electron beam have significant potential for investigation. Thus, this Special Issue intends to disseminate high-quality research carried out in the area of the welding processes, namely, in the characterization of welded joints considering different processes and challenging alloys, taking advantage of welding parameters' regulation and the use of different filler metals, thus improving by the properties of welded joints.





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](https://twitter.com/Metals_MDPI)