



Digital Image Correlation (DIC) Analysis in Metal Forming Processes

Guest Editors:

**Prof. Dr. Miguel Angel Selles
Canto**

Department of Mechanical and
Materials Engineering, Universitat
Politécnica de València, 03801
Alcoy, Spain

**Prof. Dr. Samuel Sanchez
Caballero**

Institute of Design and
Manufacturing (IDF), Universitat
Politécnica de València (UPV),
Plaza Ferrándiz y Carbonell 1,
03801 Alcoy, Spain

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Digital Image Correlation (DIC) is a methodology that basically compares images, taken at different time intervals, of two or more surfaces to obtain quantitative measurement of motions and deformations.

DIC techniques are easy to implement and can measure displacements to 1/100th of a pixel. Their flexibility and multidisciplinary nature allow DIC to be used in many applications. Particularly in metals forming, DIC techniques are mainly used for: characterization, identification, cross-validation and control of mechanical parameters in testing machines.

This special issue aims to collect the recent progress in DIC applied to metal forming, regardless of the imaging technique used (regular and high-speed cameras, SEM, AFM, CT, X-ray, ...). Researchers are invited to submit regular papers, short communications, and review articles, featuring their contributions in this field, ranging from early-stage developments to full scale-up applications, comprising the use of DIC applied to metal forming.





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/X@Metals_MDPI)